# FestForward: Participatory Design Futuring and World-Building for Equitable Digital Futures in Performing Arts Festivals 

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## ABSTRACT

FestForward is a fictional, local, cultural magazine, set in 2030, designed to stimulate conversations about equitable and sustainable digital futures in performing arts festivals. This extensive design fiction was developed through a series of participatory workshops, where creative and cultural practitioners responded to various 'provotypes' suggesting narrative content for the magazine. In this pictorial, we annotate and unpack the making of FestForward to reflect upon various formats and approaches to design futuring, and to offer a platform for further world-building, research and discussion on equitable digital futures in arts festivals.

## Authors Keywords

Participatory Futuring; Design Fiction; Festivals; Performing Arts; World-Building

## CSS Concepts

- Human-centered computing $\sim$

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## INTRODUCTION

As physical venues closed throughout the COVID-19 pandemic, festivals and live events around the world undertook a 'pivot to digital' where cultural work and programmes became mediated by, and dependent upon, a variety of online platforms [3,16,22,23,35]. When in-person events returned, questions remained about the ongoing roles, opportunities and challenges of presenting digital and hybrid cultural events. Seeking to stimulate long-term thinking on these questions, our interdisciplinary, design-led research engaged the rich cultural sector in Edinburgh and South East Scotland to ask: 'How can digital technologies, data-driven business models, and online platforms for performance support equitable and economically sustainable festivals in 2030?'
Crucially, this question seeks to bind together questions around digital futures in the performing arts - with deep-seated challenges related to the precarity of cultural labour, and the growing inequity of access to, and participation in, cultural production [10]. Looking beyond immediate post-pandemic recovery and resilience, this project sought to explore how digital and data-driven technologies may both address, and exacerbate these inequalities.

We turned to speculative design and participatory futuring methods [28,29,37] to engage the local cultural sector in long-term thinking. Inspired by prior
design fiction brochures and catalogues [4,11,19,34], we set out to co-create a fictional cultural magazine FestForward - set in 2030, presenting various stories, artefacts and ideas about the roles of digital technologies in festivals and performing arts. The breadth of a magazine format supported the consideration of a wide range of topics, viewpoints and technologies, which were woven together to provide multiple 'entry points' for world-building and envisioning [13]. The final magazine ( 24 pages, B5) is included as supplementary material, and available to download from https://www. festforward.org/.
In this pictorial, we use the format to: 1) unpack the making of FestForward; 2) demonstrate how participants were involved in our design futuring activities; 3) reflect upon the qualities of different narrative formats; and 4) identify entry points and exits to the world(s) of FestForward. Taken together, we view the wider contribution of this work for the DIS community as firstly, exemplifying an approach to participatory design futuring; and secondly, providing a platform for further world-building, research and discussion on equitable digital futures in arts festivals.

## RELATED WORK

FestForward seeks to address how a wide range of digital and data-driven technologies are transforming the performing arts - encompassing the creation, production and distribution of new work, as well as the organisation, labour and infrastructure of arts venues and festivals themselves. Drawing on recent critical commentary and our own and others' research on the regions' festivals (including the Edinburgh Festival Fringe, the world's largest annual arts festival), we scoped the project around four initial, broad themes for further exploration into digital futures for festivals: 1) The uses and value of performance, audience \& festival data [32]; 2) Producing and experiencing digital performance and events [2]; 3) New creative transactions and ticketing [21]; 4) Cultural work and platform labour in the festivals and cultural sector [11,16,26].

However, besides these specific themes, this pictorial is primarily focused on analysing the practices of 'design futuring' [28]. This term is inclusive of a range of specific practices - such as speculative design [17], design fiction $[5,7]$, enactments $[12,18,33]$, and worldbuilding [13] - where design research is employed to stimulate thinking and debate about alternative presents, and preferable futures.

While this pictorial provides an exemplar of design futuring in a novel domain, we particularly wish to illustrate the processes by which research participants and communities can be pragmatically involved in design futuring - especially as means to anchor speculation about future technologies in real-world contexts and experiences. Traditionally, speculative design, and design fictions have relied on an exclusive (often individual, expert-led) design practice, there have been recent moves to directly engage research participants in possible futures, through structured forms of experience [12], enactment [18], deliberation [36], education [29] and co-speculation [9,15]. UK innovation agency Nesta broadly identify 'participatory futuring' at the intersection of futures studies and public engagement, involving: "a range of approaches for involving citizens in exploring for shaping potential futures. It aims to democratise and encourage long-term thinking, and inform collective actions in the present" [37].
Here, we wanted to work closely with participants across the diverse cultural sector in Edinburgh, to support more collaborative, long-term thinking and collective action regarding digital and data-driven technologies.

Finally, our work concerns how design futuring actually generates knowledge. As Kozubaev et al. [28] propose:
"Could design futuring research become more interoperable? How could we encourage practices of building upon each other's work in more than just a shared methodology? How might researchers 'share' aspects of a speculation, and have a sense of building up knowledge about anticipated phenomena, or particular near-future technologies?"

Hence, in this pictorial, we aim both to show how the work was made, but also to share reflections on our speculative work that offers ways for other researchers and practitioners to build upon and extend the possible worlds constructed through FestForward.

## PICTORIAL APPROACH

Publishing this work as a pictorial at DIS, allows us to share, annotate and reflect upon the design process and artefacts in detail, drawing directly on the logics of annotated portfolios [8].
Our design work is primarily in two parts: the initial 'provotypes' shown to workshop participants to generate speculative headlines; and the final magazine articles that were produced based on these headlines. Here, we have made a selection of four of the most discussed, concepts and artefacts developed through FestForward, and present the provotypes and final magazine spreads.
For each, we offer some brief commentary as a form of introduction and position statement. This expresses our aims and motivations, reflects on choices of format, and offers some critical reflection of the resulting design work. For the provotypes, we annotate these with selected headlines that were produced by participants in the workshops. Read with the image, these annotations may conjure particular imaginaries, issues and emotions.
The resulting magazine articles hence showcase our attempts - through the positioning of the research team as fictionalised 'editors' of the publication - to reflect many of these imaginaries in a plausible, accessible and rich narrative. As with much futures work - we are not aiming to simply speculate, predict, or forecast, but to prompt reflection on the tensions that emerging technologies produce in a specific socio-political context. In the pictorial, we have annotated the articles with explicit prompts to extend and deepen the worldbuilding we have begun through each article. These prompts reflect on and highlight different aspects of the speculation and our design choices, while pointing to opportunities to delve deeper into the implications of these imaginaries.

## DESIGN PROCESS AND PUBLIC PARTICIPATION

The research and design of FestForward took place over 8 months in 2022, through several cycles of collaboration between participants, the research team (Authors 1,2 \& 3), and a design team (Authors $4 \& 5$ ) from design studio Andthen. The project began with 13 in-depth interviews, with 14 participants (1), who worked in various capacities across festivals in the Edinburgh and South East region, including freelancers and salaried staff, those in creative roles, working as performing artists and producers, as well as in fundraising, marketing and box-office roles. Interviews discussed the four initial project themes, and recent experiences of technological change during the pandemic. These interviews laid the groundwork for two collaborative workshop sessions between the research and design team to explore possible futures of festivals in each thematic area (2). The workshop sessions combined interview data, trends analysis, headline generation and prioritisation exercises to identify key tensions from which a series of briefs for low-fidelity provotypes were developed [6] (3). These varied provotypes - a mixture of adverts, screenshots, wireframes, letters and social media posts (4) - were intended to work as questionable concepts [41], offering glimpses of possible futures, for critique, discussion and iteration with participants in themed workshops (5). By focusing on key themes and tensions, our aim was not to be especially futuristic, but to address fundamental issues and questions at the heart of how digital technologies are applied in the performing arts and festival sectors.


We undertook a total of eight small workshops, one online, and one in-person for each theme. Each workshop lasted 2 hours. There were 22 unique participants across the workshops, including several of the initial interview participants, as well as recruiting through an open call. Some participants attended more than one workshop. All participants were offered a shopping voucher as remuneration for their time. During the workshops, participants were 'enlisted' as writers for the FestForward magazine, and asked to consider a selection of the provotypes in turn, and write possible newspaper headlines about each. This scaffolded a discussion of the provotypes, the technologies involved, and the wider issues of equity they revealed. Headlines gave each participant a platform to raise their own ideas and concerns about a provotype or topic. As ever, while discussing futures, participants remarks were deeply informed by their present experience and perspectives.
Following the workshop, the research team acted as an editorial team, to curate the most compelling headlines through analysis of workshop transcripts and participants contributions, (6), and with the design team, developed an outline and flatplan for the magazine content (7). The research team focused on writing articles to develop and extend the headlines from the workshops ( $8 \boldsymbol{a}$ ), while the design team produced branding, and a layout for the magazine ( $\mathbf{8 b}$ ). We sought to strike a balance between content that was closely tied to the discussions during the workshops, while being plausibly situated in 2030. Final provotypes and imagery to accompany the articles were produced collaboratively over several iterations with the design team (8c).

All participants in the interviews and workshops were given the opportunity to preview and feedback the final magazine content (9) before printing and distributing 500 copies of the magazine (10) throughout cultural venues and partners in Edinburgh.
The magazine has now been presented at various artist events, including interactive activities to enact, bring to life, and further explore the world(s) envisaged through different articles (11). The work and opportunities to share, discuss and evaluate the magazine with the local cultural sector remains ongoing.

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## Festoons

This provotype envisioned the potential of a local community currency - Fe\$toons - focused on the regional festival sector. We hoped participants would consider how creative work is valued and paid for, and how more of the benefits and value generated through the festivals could be retained and distributed amidst local communities.
An introductory letter positions the currency alongside a conventional and familiar form of payment, though with some specific rules around its use, including geofencing, depreciation, and a charitable transaction fee. An exchange rate for the currency is shown in a local pub window.


Iligh street crash! Festoons currency fails on first day of the August festivals

## Limited edition festival currency cards: get your exclusive 2050 edition while you can!

complaints soar as festivals currency Festoons is revalued in August


Scottish Festivals Currency Cooperative

Digital Currency Department Festivals House
Edinburgh
EH3 4DJ
E
เวข9 4688 8381 1058
$\begin{array}{ll}\text { mur fem } \\ 03 / 30 & \text { exprass mo } \\ 03 / 36\end{array}$

Say hello to your new festivals currency card.
Dear customer,
Your latest Scottish festivals currency card has arrived! With this card you can spend our local currency, FESTOON $\$$, dedicated to supporting the festivals of Edinburgh and the performing arts.

FESTOON $\$$ is a digitally-enabled currency with inbuilt features that we think you will love:
(1) $3 \%$ of every transaction contributes to our emerging artist support fund.
(2) Stored FESTOON\$ depreciate in value to incentivise spending on the performing arts rather than accumulate as a speculative asset.
(3) FESTOON\$ are geotargeted to selected venues and streaming platforms in Edinburgh, Lothians and the Borders to support local businesses and economies.

Kindest regards,
The Digital Currency Team
Scottish Festivals Currency Cooperative

## Authors' Commentary

Fe\$toons appeared throughout the FestForward magazine, including on the front cover, to indicate their place as an ordinary and even mundane part of the festival landscape. A longer article about the currency describes the winning of a sustainable innovation award, based on working closely with grassroots communities to make the currency a success.
The advert shown opposite introduces the key features of Fe\$toons, but identifies the potential novel and collectible nature of Fe\$toon cards especially for tourists and visitors.
A partnership with another new tech company 'Culture.ai' (see below) is introduced through the 'collectible' quotes from algorithmically generated performance piece Munro Speaks.

The Fe\$toons logo gives a brand identity, and is important for recognising where this form of payment is accepted.
The card design itself remains conventional, suggesting a certain familiarity, though this could have been further iterated to reference novel payment media or infrastructure.
Discussions of this concept and article have ranged from pragmatic ideas about how individuals or businesses would seek to 'game' such a currency, to more aspirational consideration of how alternative forms of value (e.g. social, cultural, ecological) can be represented and shared.

## July 2030

## Limited edition 2030 FeStoons card! Don't miss out!

Support local artists and independent businesses when you pay in Fe\$toons, and receive discounted tickets and exclusive perks only for Fe\$toons members

Buy your currency in pounds but save in Fe\$toons! You can use F\$ to buy tickets anywhere you see our logo and even earn $F \$$ in our app.

Our 2030 one-off collectible cards have been designed with our partner, Culture.ai, and in association
with the algorithmically generated performance piece, Munro Speaks. Choose your favourite line or collect them all!

To order, or for more information about Fe\$toons and full terms and conditions, visit gofestoon.scot

## Munro: You knew but steadfast you stayed steadfast you stayed silent while we fell to

 Munro: Too old and too great were I for you to see me.
Munro: Rest on my sides and drift in deeply for then may you see
time differently.f\$
, ())
$\begin{array}{lll}\text { valid foon } \\ 03 / 30 & \begin{array}{c}\text { Exprassend } \\ 03 / 36\end{array} & \text { Fe\$toons }\end{array}$

gofestoon.scot
Winner of the Scottish Sustainable Innovation Award 2030

## World Building

What kind of community and culture might develop around the collecting of Fe\$toons cards?

How would such a currency be backed or guaranteed to give users confidence in its sustained value?

How would venues and performers manage payments in multiple currencies?

How could Fe\$toons be earned in the F\$ app in ways that would contribute to the local cultural community?

How might Fe\$toons be designed to benefit the local cultural economy all year round?


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```
# culture.ai
Domhnall 10.36 AM
Hey Ana-Maria, how's it going? I was hoping to pick your brain on my current
Hey Ana-Maria, how's it goin
Ana-Maria 10.37 AM
Domhnall! I remember that script, I hope it's going well. I would love to
help, let me open up Cultur.A.I...
    Right, I am ready - hit me!
    Domhnall 10.37 AM
    I've weirdly heard that the name of the lead character can have a big impact
    on algorithmic recommendation. I was thinking something like Audrey, but
    any ideas for alternative names for this genre??
    Ana-Maria 10.38 AM
    I have heard that too, let me check.
Ana-Maria 10.43 AM
am getting a 87% recommendation for Eilidh, although Cultur.A.I. does also
ell me that if you're thinking of targeting this at an audience under 30 then
I have heard that too, let me check.
Ana-Maria 10.43 AM
am maybe go with Morag and write an edgy haircut like a buzzcut into her
```

maybe go with Morag and write an edgy haircut like a buzzcut into her
character.
Domhnall 10.44 AM
Cheers, I'll bear that in mind
Morag's edgy buyncut is
the look of the season!
Last request... I am speaking with Julie about the soundtrack next week and
wondering if you have any recommendations for something that will
resonate with an Edinburgh audience?
Ana-Maria 10.54 AM
you're going for a diagetic soundtrack, then go for a mix of 80s and
contemporary Scottish trad. If a non-diagetic underscore then taking some
dramatic influences from Olafur Arnalds and/or Nils Frahm would fit with
what's working with Scottish audiences right now.
Domhnall 10.56 AM
D: Ok cool - thanks, Ana-Maria! I really appreciate it A.

## Culture.ai

This provotype sought to consider the potential role(s) of generative AI software in supporting creative and cultural work. Presented through a dialogue with an agent, the provotype suggests AI that can be queried and possibly conversed with, to offer reasoned advice for a creative practitioner to consider when writing or editing a script.
Rather than writing whole scripts, we sought to explore the potential collaborative roles of AI tools, and consider the kinds of decisions and content (e.g. soundtracks, trends, character names) that an AI may be trusted to advise upon.

Culture.ai shares $25 \%$ of revenue for providing "Key Plot Points" in new TV adaptation of ed Fringe Theatre show

## is tech removing

the humanity of creativity?
Morag's edgy buyncut is the look of the season!

## Domhnall 10.50 AM <br> Domhnall 10.50 AM

Last request... I am speaking with Julie about the soundtrack next week and號 Ana-Maria 10.54 AM

## Top 10 character names for 2050 announced <br> Top 10 character names for 2050 announced

you're going for a diagetic soundtrack, then go for a mix of 80s and dramatic influencestis from Olafur Arnalds and/or Nils Frahm would fit with what's working with Scottish audiences right now.

Domhnall 10.56 AM

Ana-Maria 10.56 AM
Anytime!
'I miss those terrible shows you choose on a whim'
audiences bemoan how AI makes everything 'good'

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## Authors' Commentary

Presenting the story in a panel format, allows multiple viewpoints to be expressed, which reflects the mixed views of our participants.
The primary focus is to question the tensions between the creative work artists undertake, and a predictive, data-driven system. The 'Death of the Author?' headline is obviously sensationalised, but raises the key issue of authorship.
Technologically, especially given recent rapid advances in AI text generation, Culture.ai is quite modest. However, this framing focuses on exploring tensions between ideas of innate human creativity and the potential for sensechecking and streamlining the work of scriptwriting, as well as tailoring work for specific audiences.

The use of avatars as headshots, implies the need for specific virtual identiies, perhaps in gaming or metaverse environments. Overall, most participants (in April 2022), did not yet have a sophisticated understanding of these technologies and for some, it was challenging to think as far ahead as 2030 with this technology.

## World Building



Can an algorithm or AI itself ever be
considered artistic or creative? How would this creativity be recognised?

In what ways could AI text generation software actually be used to identify bias, discrimination or inauthenticity of cultural work?

What data would a software like Culture ai be trained on? How would access to this data be licenced and paid for?

What biases and tropes are most deeply embedded in historical literature and drama that would be learnt by Culture.ai?

What role would an AI play in a collaborative 'writers room'?

How will breakthrough AI technologies such as ChatGPT be employed by theatre-makers and performers besides script-writing?

## Festivals' Data Custodian

This provotype addressed a longstanding complaint and ambition in the local cultural sector that organisations lack the means and skills to manage and share data effectively. Presented as a job advert, on behalf of a new 'Edinburgh Festivals Data Cooperative' the provotype envisions a 'Festivals Data Custodian'. This broadly imagined role includes ensuring accountability for data management and sharing, supporting data-driven decision making, as well as long-term data archiving and preservation. The advert itself is situated on a basic website for the Edinburgh Festivals Data Cooperative, with hints about a wide membership base, a non-profit business model, and being grounded in an 'open data' ideology.

> Data custodian holds festivals to account: over 500 incidents of bias and discrimination reported in festivals' algorithms

Edinburgh Festivals Data Cooperative / Open data, open culture

## Festivals Data Custodian

Position: Data Custodian
Salary: $£ 35 \mathrm{k}-40 \mathrm{k} /$ annum
Job summary:
Edinburgh Festivals Data Cooperative are looking for a Festival Data Custodian to join this new and ambitious team who are united in our purpose to make festivals more equitable through accessible data.

## Responsibilities include:

- Ensuring compatibility between festival data sets
- Identifying and extracting strategic trends to inform programming, marketing, hiring and festival management
- Generating data insights to inform creative direction
- Supporting members' data insight requests
- Identifying potential for bias in festival datasets and software applications
- Developing a 2050 Festivals Data Preservation Plan

Festivals tell creative Scotland data skills development desperately needed as they struggle to fill important data management roles

Arts graduates lose out on jobs to STEM graduates with data skills

APPLY
Back to the good old days... Festival data custodian curates ground breaking festival history showease


How do you start and govern a data cooperative, and what would they do?

What cultural sector data sets would be most worthwhile to produce and protect? How could this data be be used beyond marketing campaigns?

## Authors Commentary

The resulting magazine article was a 'profile' piece, presenting a Data Custodian as a prestigious and exciting role. The interview format offered a platform to explore the character of this role, who can offer opinion from a certain perspective.

Through this, the role is developed as a kind of change-maker, striving to use data to make the festivals fairer and more sustainable. Throughout, participants picked up on the kind of 'care' implied by a custodian role.

Crystallised in this role, the article invites speculation about what cultural data is, and how it is shared and governed collectively and for public benefit. The article also raises the unique skillsets required to work with data in the cultural sector.

On reflection, more could have been done to illustrate the kind of work the data custodian would do on a day-today basis, or to visually show more creative examples of how data and performing arts can be combined.

## World Building

As algorithmic agents and AI tools are increasingly used in the creation of new shows, how will that work be credited, acknowledged and compensated?

How might UK data protection laws (the BDPR) evolve following Brexit and divergence from EU legal frameworks?

What would artists and organisations seek from festival data clinics if they could ask anything of a festival data archive?

What is distinct about doing data science in cultural contexts, and how are these interdisciplinary skills encouraged and developed?

## Cultural Platform Labourer's Union



## A day in the life of a restival platiorm worker...

Roosevelt Paige is 27 and has been a freelance platform worker in the arts and festivals for the past five years.

Wake-up..
Iusually check my emails and notiications on my work
thone as soon as I wake up, iust to make sure there's phone as soon as I wake up, just to make sure there's used my perssonal smartphone for work to save money, but I was never off it and always worried Id bo beorking from the wrong account. Now I have a separate phone for work, and
it's set to have notifications off between Ilom and 7 mam but work social media can be iust as asdicitive as my personal profiles, so I don't alweys stick to that


Morning.
schedule most of my content posts a few days, or at
east the night before, so morning is my time to update east the night before, so morning is my time to update
content and campaign p planners; share and link to any eilevant content from other accounts and iff $m$ working in
a team maybe meet with other platiormers to catch up and a tean, mayye me
brainstorm ideas.
f there's something going wrong in online comms, IIl be responding to that and trying to take the conversation off
vublic channels, to be dealt with privately by permanent Pmployees of whoever 1 l working for Sor Sometimes this can take a lot of time and cause a lot of stress when youre
trving to stick to a tone of voice or brand while helling people resolve problems.

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89 等
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Lunchtime...
Lunch doesn't alweys feel like a break. I often drop into a
 -o where PIm working 1 Imigh grab a few photos, videos
and soundscapes to use later on. I laso use this time to and soundscapes to use later on. also use this time to
undate my personal social account - this is important or
increasing rates of pay pirom the union and building a brand Chreasing rateso of pay from the union and builiding a arrand
owards the next job. Sometimes I only work on job for a ew weecks sol Im always thinking about what's next.

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*NO
```

```
*NO
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Afternoon..
Every couple of days I set aside time in the afternoon to
ook at il the platitorm insights and work out how weire look at all the platiorm insights and work out how wetre
doing with engagement and sales. Ve noticed over the
past few years that data wrangling and analysis skile ere past few years that data wranging and analysis skills are
becoming much more sought atter in freelancers, although
 their own in-house enalysts to look atter their datavo too.
Otherwise. I suend the afternoon creating and scheduling Otherwise, Ispene the attitrooon creating and sched
content and tailoring it for each plattorm although
sometimes use tools thet tutome this proces sometimes use tools that automate this process - the-
croo coircle has a good one - to speed this up it crop_circle has a good one - to speed this up if l'm short of
tine.
目 " ® ○ …

Evening.
often end up working into the evening.. ril fill in my union timesheet most days. At least the union has given us the chance to be transparent tobout how platiorming can teake
ver your life and try to improve rates of pay, although it an make you more competitive with others. Finally, if Ive
ot the energy, I might update my profiles on freelancer got the energy. IIIght update my profiles on freelancer
platorms to make sure lm as ready as 1 can be to attrac
new clients or respond to offers of future work

## The FestForward view

## ...on the Cultural Platform Labourers Union strike

Support for workers' rights is needed, but the systems being used expose the continued inequities of platform work in the cultural sector.
The Cultural Platform Labourers Union (CPLU) has announced two periods of strike action - 30-31 July and 5-7 August 2030. The strike has the potential o have a big impact on the operations of cootland's
summer festivals, from marketing and box offices to digital platform moderation. The action was announced in June in reaction to the news that everal cultural organisations and festivals were moving away from regulated platform labour towards
less experienced, and cheaper, in-house assistants and short-term roles. This has been widely perceived s an explicit cost-cutting move and one which
ndervalues both union members and other cult workers, and increases the precarity of these roles.
But there is protest within the union too. The CPLU timesheet algorithm - which now uses personal plattorm profiles to inform rates of pay - has complicated its relationship with fair work and
prompted internal divisions and complaints. If plattorm labourers' personal work in building their Own influenceer-type brand online is explicitit linked
to their professional lives and value by their union. otheir professional lives and value by their union
can they ever really be promoting fairness and can they
The CPLU was formed in 2025, and in the early
days the key benefit of membership days the key benefit of membership was access
to a timesheet plug-in, which encouraged gig and platform freelance workers to log their addititional
working hours beyond the expectations of a standar $7-8$ hour working day. The aim was to show cultural organisations employing freelance or short-term latform labour at busy times of year the true organisation in order to improve working conditions and secure better rates of pay.

Like other areas of gig work, the early 2020s saw an
By Jonas Victor
ncreased awareness of the precarity of plattormmediated labour. Collective action by unions across several services - food delivery, transport, and the
cultural sector - was instrumental in securing access cultural sector - was instrumental in securing ac
oo living wage minimum rates of pay and other benefits.
Part of this success for cultural sector workers was linked to the CPLU timesteateectas as atool for
ransparency, showing the huge workloads and transparency, showing the huge workloass and
scale of unpaid labour happening across multiple plattorms. As the timesheet, and CPLU membership,
grew, more features were incorporated. The algorithm that, allowed wourkers to plug in their personal platform metrics - followeves, reach and conversions
for any brand partorshies - to help determine their ate of pay was added in 2028.
"Even with the best of intentions, this personalised aspectof the timesheet is encouraging competition between workers."

As those protesting within the union say, even with the best of intentions, this personalised aspect of he timesheet is encouraging competition between workers. As a result, it is marrinalising and penalising lattorm labourers who don't have the time or branding, and feeding the $24 / 7$ culture of plattorm our that it is part of the union's role to tackle.

So, here at FestForward, we support the strike and encourage serious negotiations to take place; but
also, and just as importantly, we support those with also, and just as importantly, we support those within
he union calling for reform to the systems and tools the union caling for reform to the systems and tools
that help it work with its members best interests at its hear

How will automated tools hinder, supersede, or support cultural platform work?

How would a Cultural Platform Labourers Union be governed and succeed in a purely online workplace? What tactics, tools and resources would they develop?

## Authors' Commentary

This spread includes two articles: 'a day in the life' and an editorial perspective on an ongoing strike by cultural platform labourers
The 'day in the life' situates the 'always on' reality of platform work, and imagines details of the multiple roles, skills and hustle required to make a living in this gig.
The editorial format allowed the research team to express a particular view, alongside a nuanced discussion of the issues. The article itself supports the strike, though questions the tools and processes being used and appropriated by the union.

A key tension that exists throughout the creative industries is surfaced, around how independent workers who compete with each other, can withhold labour and act together for collective benefit.

## World Building

## What kind of collective

 action could platform workers in the cultural sector undertake effectively? What legal cases might they seek to bring to hold employers or platforms to account?What would greater pay transparency mean for platform workers and their employers?

How can platform workers be supported in separating personal and professional identities?

How would platform work challenge or overtake existing roles in festival management, such as comms, curation, marketing and administration?

## DISCUSSION \& CONCLUSION

In this brief discussion, we wish to reflect on the nature of participatory futuring; the need for design futuring artefacts to have ongoing engagement; and the role of 'world-building' as intermediate-level knowledge.

## Participation through provotypes \& headlines

The primary opportunity for participants to shape the content of FestForward was through their creative response to open-ended provotypes [6], which served as boundary objects between participants, research and design teams [42]. As an activity, headline writing offered a focused, accessible and shared format through which to scaffold discussion. Though a simple and familiar technique, (e.g. [20,43]), it invites participants to directly consider the impact and possible worlds that a provotype implies. Though succinct, and at times superficial, when generated by a wide range of participants, we found headlines to be an effective way to surface multiple facets of emerging technologies, while tying them to participants' present and real concerns.
However, throughout the workshops, we felt a considerable tension between pushing participants to think more radically, creatively and ambitiously about long-term futures, and a tendency to return to contemporary problems. For example, discussing a provotype for a dynamic ticketing application in 2030 was very challenging for box-office managers who were primarily concerned about being able to sell enough tickets to keep their doors open in 2022. Such instances remind us that presents and futures are not experienced equally, and indeed it often requires a degree of security and contemporary privilege to even 'suspend disbelief' [7] and consider longer-term horizons. While 'expert' futurists, or speculative designers may be more equipped to undertake longer-term futuring, this risks being divorced from many first-hand, present realities.

We also frequently considered what degree of participation and indeed authorship we could ask, or expect, of our participants. We could have invited participants to not only write headlines, but whole articles - however, short of directly employing some
participants on the project, this felt like an unreasonable ask of their time, which would amplify some voices ahead of others. As with any participatory activity, there is a balancing act to progress a project, ensure equitable and accessible involvement, and apply specific expertise.

## Ongoing Participation, Futuring \& Impact

Our work to share, distribute and make use of FestForward is ongoing. The primary aim of this project has been to support local creative and cultural organisations to have productive long-term conversations about the implications of digital technologies and equity. The final magazine should not be viewed as an end in itself, but can be employed in and by the cultural sector to help identify preferable futures, and inform present actions towards these. Through printing more than 500 physical copies of the magazine, mailing these to partner organisations, and hosting and attending public events on behalf of FestForward, there are diffuse, organic and spontaneous opportunities to shift and inform present conversations. We have asked students to extend or expand upon some of the articles, and we plan to playfully 'enact' [18] certain provotypes, such as Fe\$toons. However, beyond these kind of discursive design activities [40], we perceived a weakness in many design futuring projects in terms of actually shaping impactful present action towards preferable futures. Further work might therefore build on deliberative approaches [36], action research [24] or consider examples of design-led policy-making [38] to deliver greater real-world impact and relevance from design futuring activities.

## World Building as Intermediate-level Knowledge

Looking beyond participation, and real-world impact, it is worth returning to question the kinds of knowledge produced through design futuring [28], and how this is made valuable. Undertaking design futuring, with participants, can of course tell us much about present perceptions and anxieties in a given context. It may also help to map out, or reveal new facets of emerging or upstream technologies or concepts (e.g.[29,31]), related to present concerns. However, like many forms of research through design, the outputs of design futuring, often suffer from being ultimate particulars [39], locked
in a particular speculative setting, from which it is challenging to generalise or abstract to other contexts. Hook \& Lowgren [25] hence argue for design research to develop forms of 'intermediate-level knowledge' such as 'strong concepts', or design 'patterns' [1]. To extend this thinking to the practice of design futuring, we propose that 'world-building' is a key form of intermediary-level knowledge.
Through world-building [13], particular specualtive artefacts or 'diegetic prototypes' [27] are abstracted, and generalised to illuminate present and future concerns. The most compelling speculative design work is highly generative of possible worlds and alternatives. However, much of the way design futuring is presented, can prioritise a final artefact, narrative or envisioning of particular future, rather than the broader, and plural work of world-building. FestForward is a highly-finished and entertaining piece of design fiction. However, we suggest that its real impact and contribution turns upon its capacity to support further world-building (by diverse actors), and help identify broad qualities and features of those digitaly-mediated worlds worth striving for. For example, our envisioned 'festivals' data custodian' should not be judged as a good or bad idea per se; rather, it is valuable as a means to understand and discuss worlds in which festivals are better able to share and preserve cultural data. Hence, a key aim of this pictorial, was to provide an example of using annotation [8] to more explicitly support such world-building, in relation to a series of speculative artefacts. Both, to more explicitly articulate the intermediate-level knowledge produced through this work (and which may inform future research); but also to explore means by which world-building can be best illustrated, supported and explained to others.

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