

F R O N T E N D   D E V E L O P E R

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# James Mitofsky

## Frontend Developer

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P O R T O F O L I O



# JAMES MITOFSKY

Frontend Developer



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(+33) 7 68 34 47 33

[/JamesMitofsky](https://github.com/JamesMitofsky)

## SKILLS

TypeScript

React.js

Material UI

Figma

Next.js

React Hook Form

Google Firebase

React Router

## EDUCATION

2018–2022

University of Vermont

- Computer Science
- Political Science

2022–2023

University of Caen

- French studies

Professional Development

- Just JavaScript: Dan Abramov
- Advanced React: Bob Ziroll
- The Design of Everyday Things

## LANGUAGES

Native

C1+

## WORK EXPERIENCE

Frontend Developer | Elitt

Jan 2023 – Present

- Develop interfaces for security researchers, create documentation wiki (implementing Storybook.js), & refactor codebase to modern TS & React.

Researcher | Tufts University

June 2021 – Jan 2022

- Created an app to estimate voter participation rates.
- Published research disaggregating the student voting rate.

## PROJECTS

[Moho Access](#)

Increased security & improved UX for residents in a coworking space.  
Next.js, Material UI, Firebase Auth, Database, & Functions

[Moho Events](#)

Reduced the complexity of managing events with a custom tool.  
TypeScript, Next.js, Material UI, Firebase Auth & Database

[Community Votes](#)

Made weighted, anonymous voting available to the public.  
React, Material UI, REST API

[La Carte Gourmande](#)

Re-envisioned a physical map as an interactive map, natively translated in English, French, & Spanish.  
Eleventy.js, SCSS, Nunjucks

[UVM Votes](#)

Increased the voter participation rate with 9,435 site visits.  
Eleventy.js, CSS, Nunjucks

[Unwaitlist.io](#)

Notified students when their desired classes had an open seat.  
Nuxt.js, Azure Functions, Google SKDs, Twilio API

## VOLUNTEER EXPERIENCE

Director | UVM Votes

Aug 2019 – Jan 2022

- Increased the voter participation rate in public elections.

Director of Education | EVC National

May 2021 – May 2022

- Served as a data specialist, coordinating 69 university campuses.

## INTERESTS

- Playing the guitar and the piano
- Rock climbing
- Skiing & snowboarding



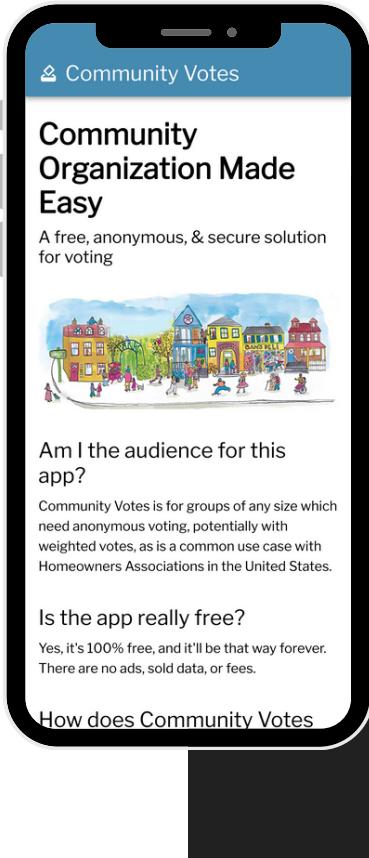
# About Me

*James Mitofsky*

Building apps that feel alive and deliver great UX is what I love, and it's all the more fun when I can mix French into my work.

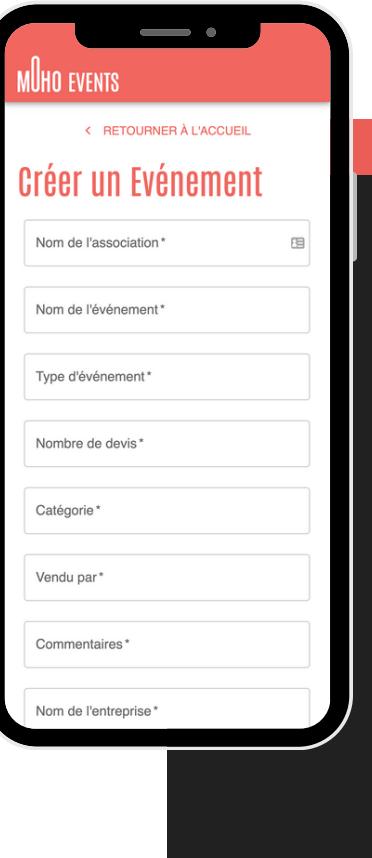
I'm interested in music, the environment, and behavioral economics. I go for runs to explore the world around me, and I've got side-projects galore.

# Recent Projects



## Community Votes

- React.js
- React Router
- Material UI
- REST API

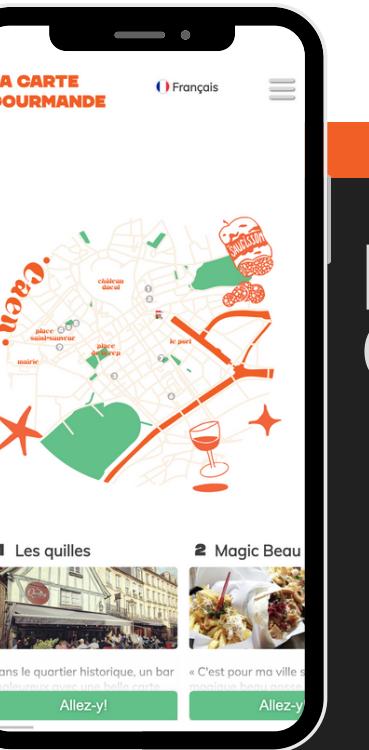


- ## Moho Events
- TypeScript
  - Next.js
  - Material UI
  - React Hook Form
  - Firebase



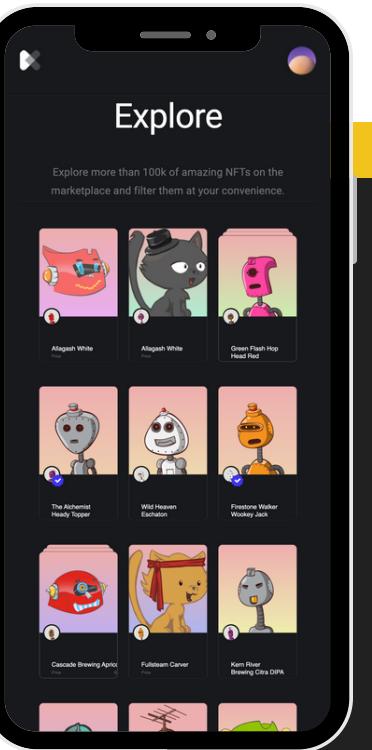
## Moho Access

- React.js
- Next.js
- Material UI
- Firebase



## La Carte Gourmande

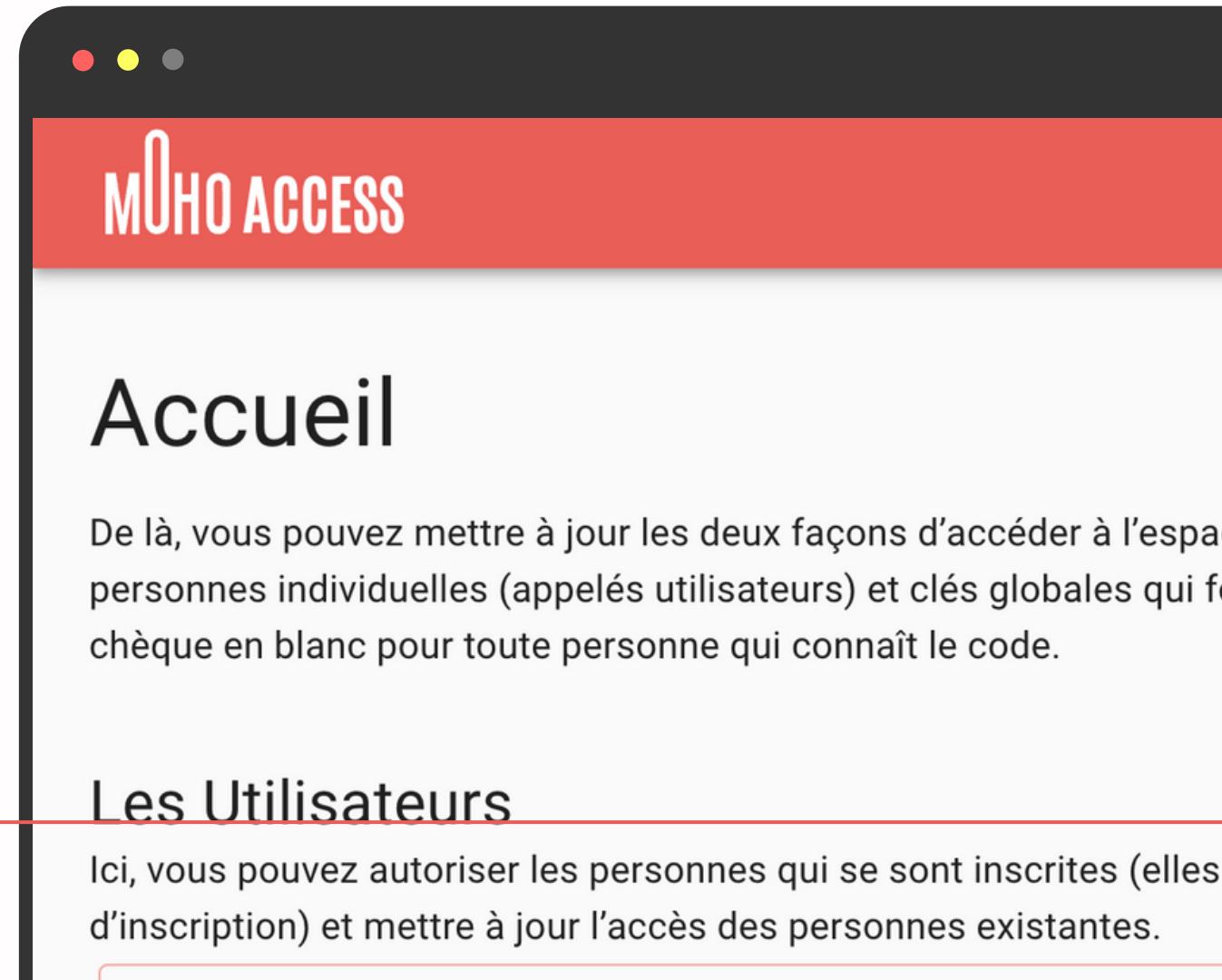
- JAMstack
- Eleventy.js
- UX Interviews
- CSS



- ## Design Challenge
- TypeScript
  - React.js
  - Material UI
  - REST API

# Moho Access

 Source



The mobile application interface features a red header bar with the "MOHO ACCESS" logo. Below it, the main screen displays a grid of user profiles and global keys. A large button at the bottom allows users to update access levels.

**Accueil**

De là, vous pouvez mettre à jour les deux façons d'accéder à l'espace personnes individuelles (appelés utilisateurs) et clés globales qui fonctionne comme un chèque en blanc pour toute personne qui connaît le code.

**Les Utilisateurs**

Ici, vous pouvez autoriser les personnes qui se sont inscrites (elles doivent visiter la page d'inscription) et mettre à jour l'accès des personnes existantes.

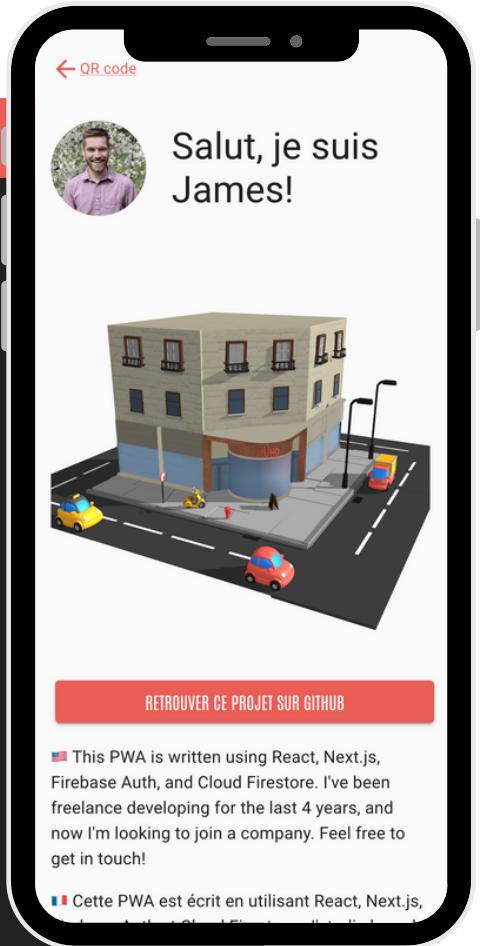
## ? Challenge

Working with resident QR codes is a manual and finicky process, bad for both users and administrators.

## ✓ Opportunity

Improve convenience and security by moving the QR code to a web-app with SSO authentication.

</> React, Material UI, Firebase Auth, Cloud Firestore, Next.js



# Community Votes

 Source



## ? Challenge

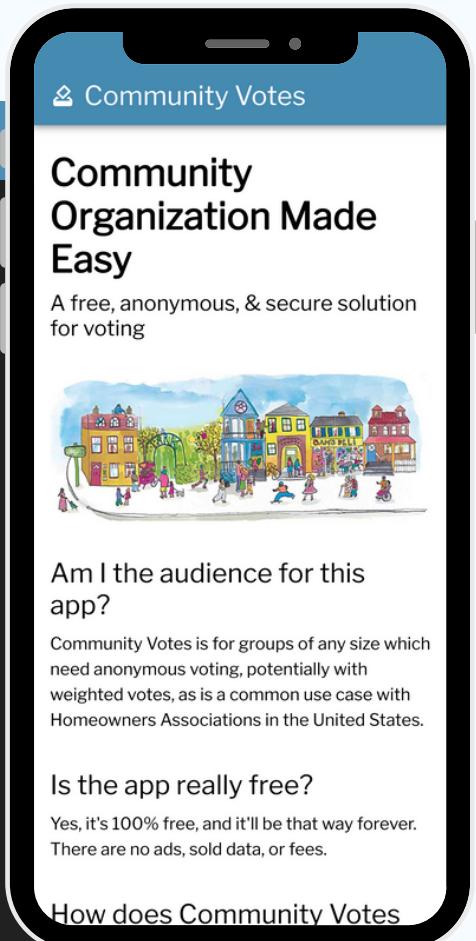
There are no free solutions for a transparent voting system which handles unequally weighted votes.

## ✓ Opportunity

An app to handle both the security and weighting, released as a free-forever tool.

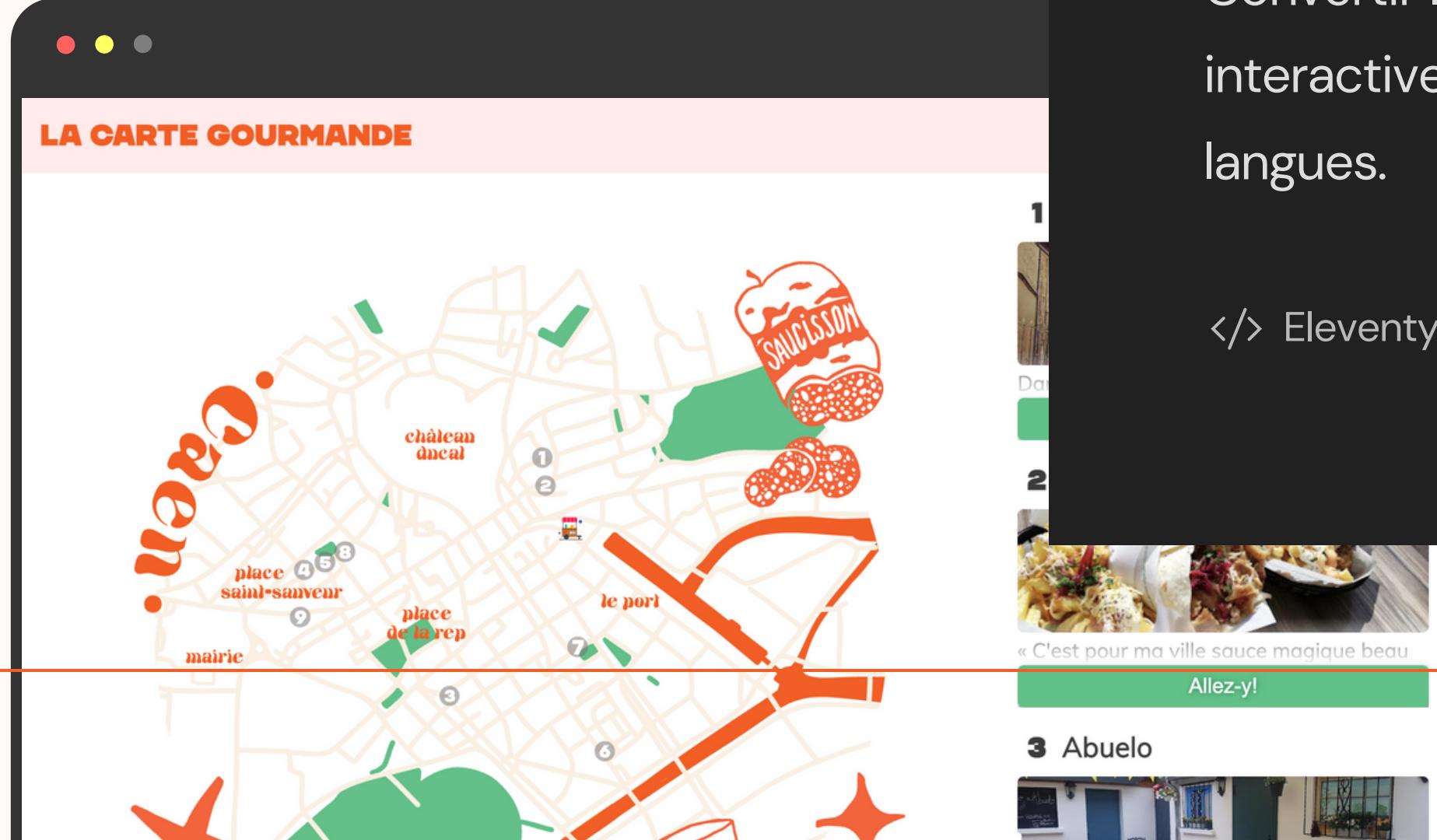
</> React, Material UI, Custom REST API, Team Development

COMMUNITY VOTES



# La Carte Gourmande

 Source



## ? Challenge

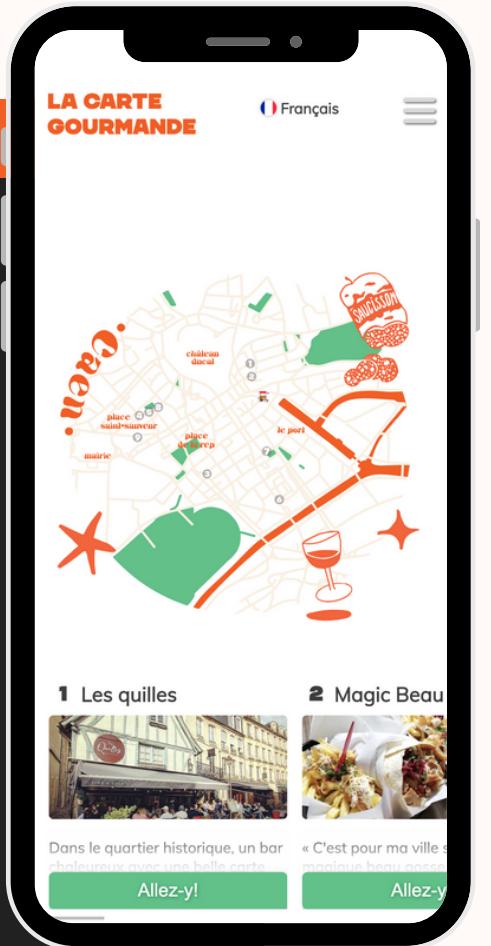
Des entreprises locales voulaient augmenter leur visibilité auprès des touristes en mettant leur carte physique en ligne.

## ✓ Opportunity

Convertir la carte physique en une carte interactive, traduite nativement en trois langues.

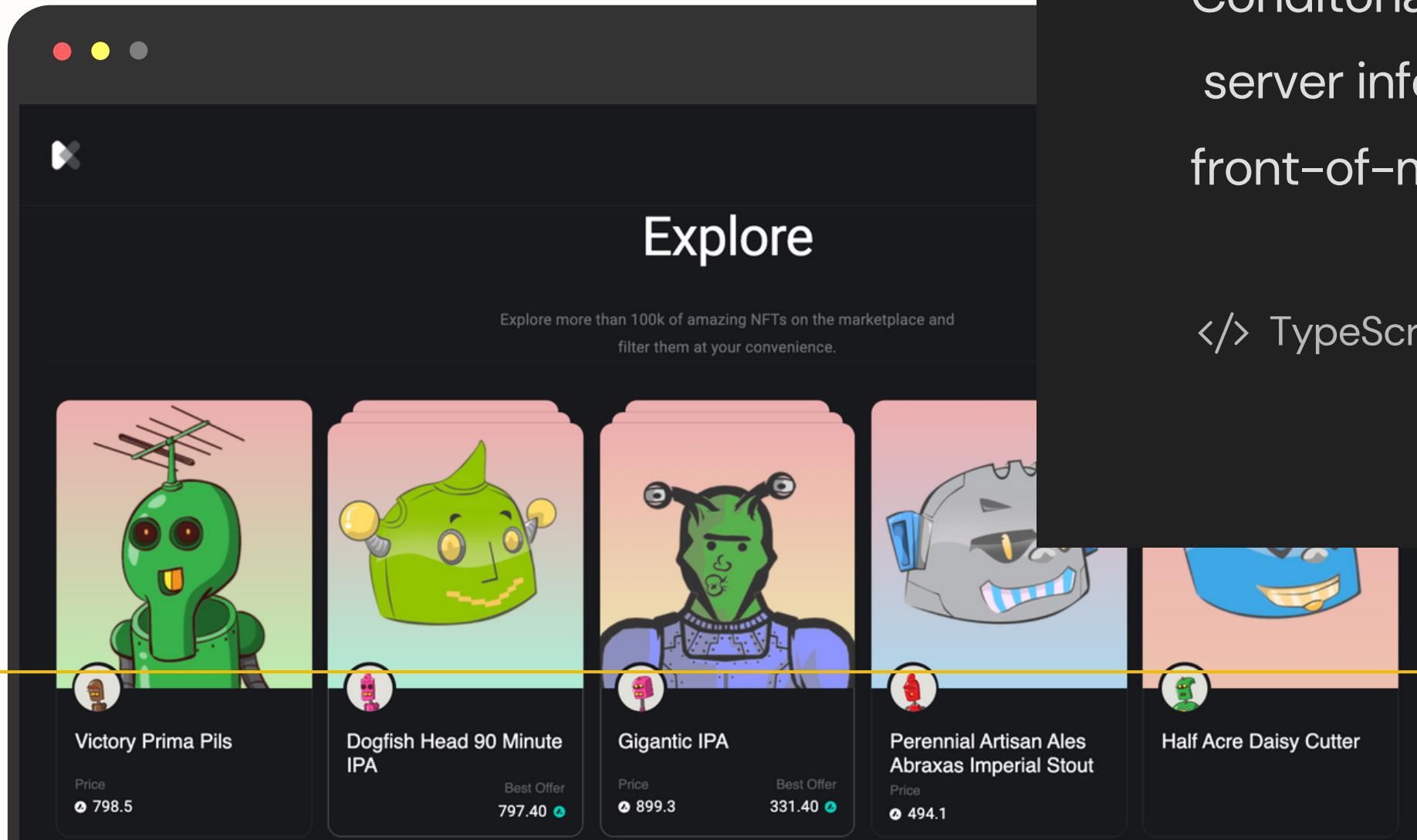
</> Eleventy.js, JavaScript, SVGs, CSS

LA CARTE GOURMANDE



# Design Challenge

 Source



## ? Challenge

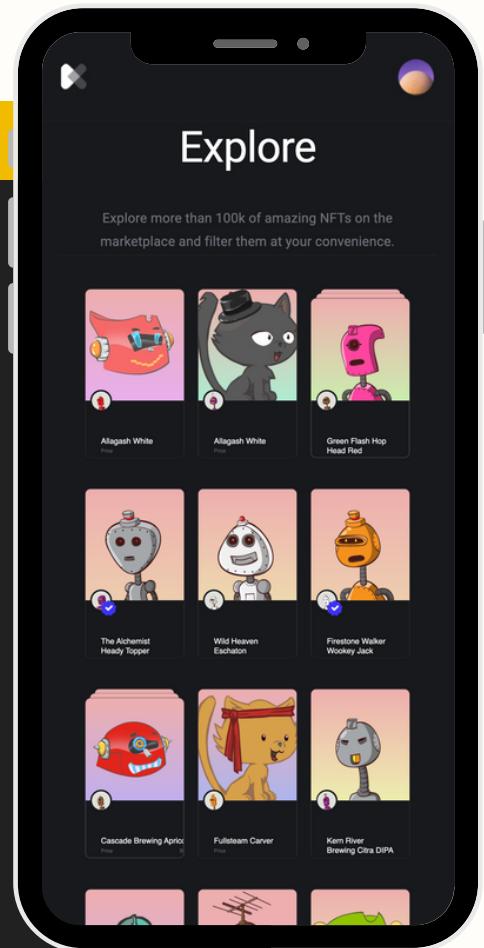
There was a mockup created by a designer which needed to be implemented dynamically depending on server data.

## ✓ Opportunity

Conditionally render components based on server information, keeping maintainability front-of-mind while creating the code base.

</> TypeScript, React, Material UI, REST API

D E S I G N   C H A L L E N G E



# UVM Votes

 Source



## ? Challenge

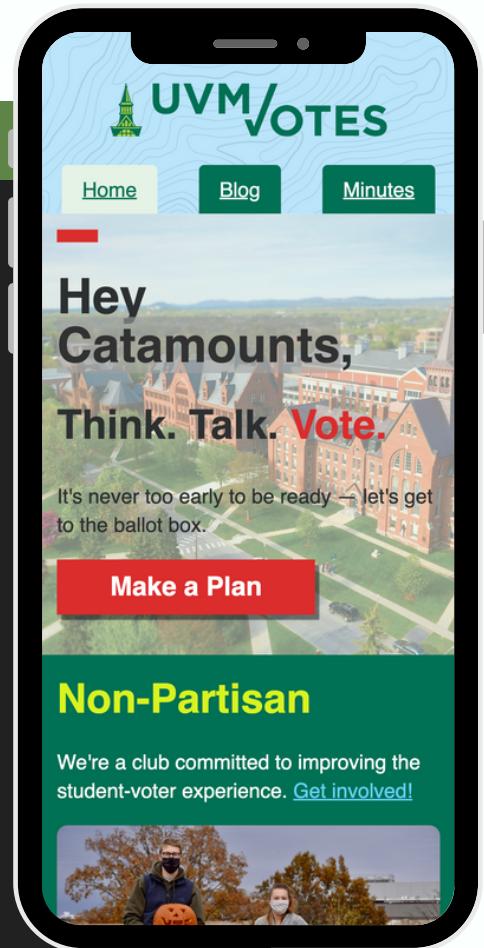
College students face barriers to voting in public elections but lack support and information to overcome these problems.

## ✓ Opportunity

A JAMstack website to render content from a custom CMS on a site which points to the most important information.

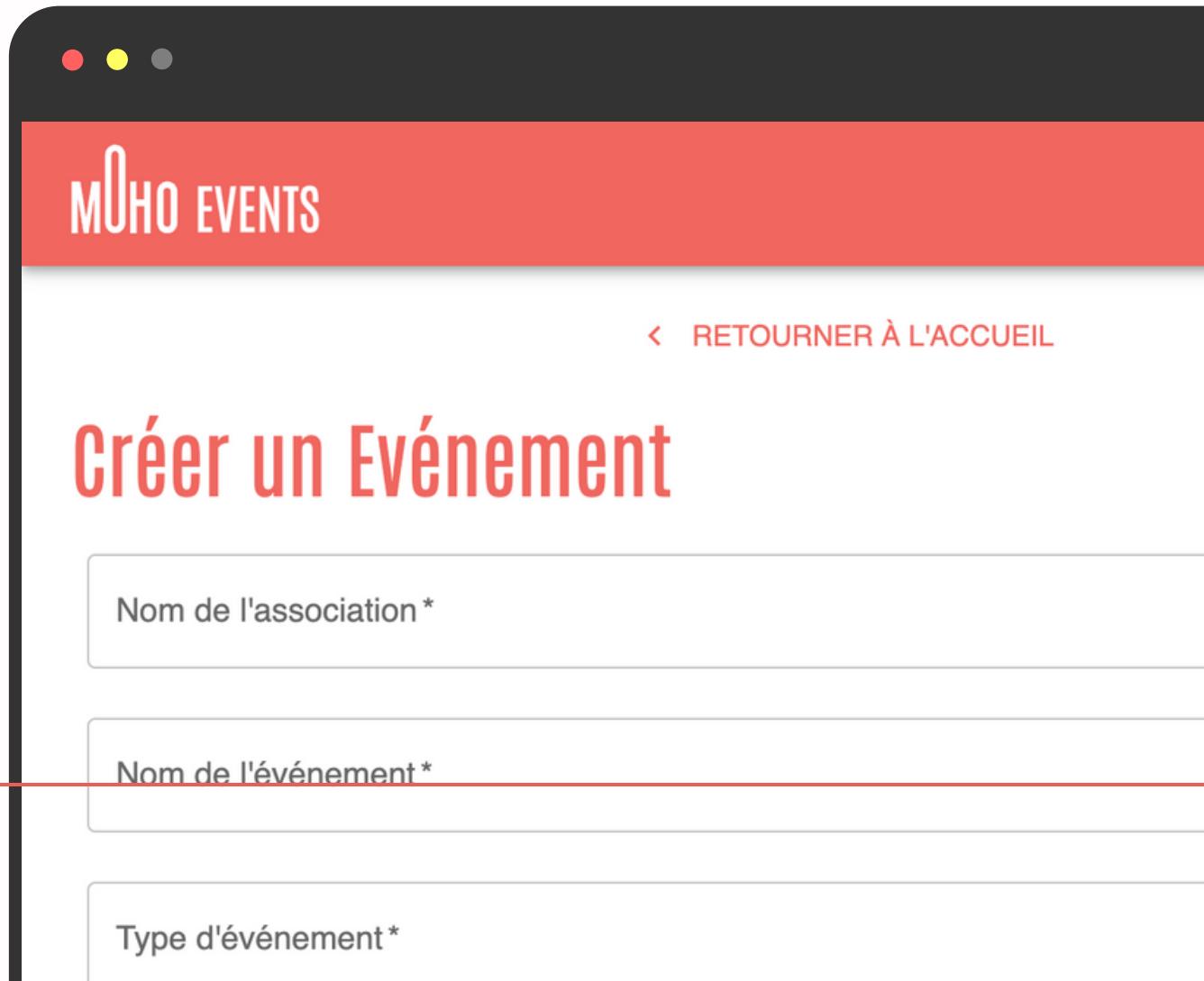
</> JavaScript, CSS, Nunjucks, Eleventy.js

U V M   V O T E S



# Moho Events

 Source



The smartphone screen shows the 'Créer un Evénement' (Create Event) page. At the top is a red header bar with the 'MOHO EVENTS' logo. Below it is a white form area with several input fields:

- Nom de l'association\*
- Nom de l'événement\* (highlighted with a red border)
- Type d'événement\*

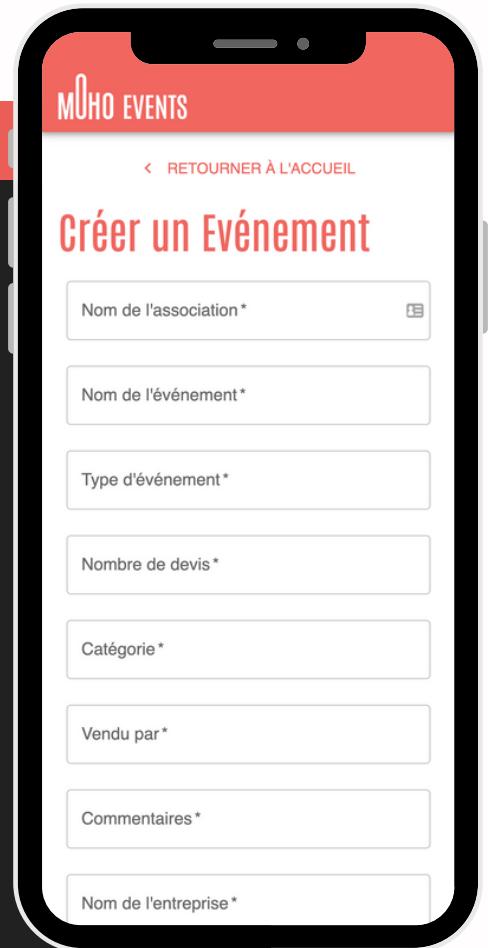
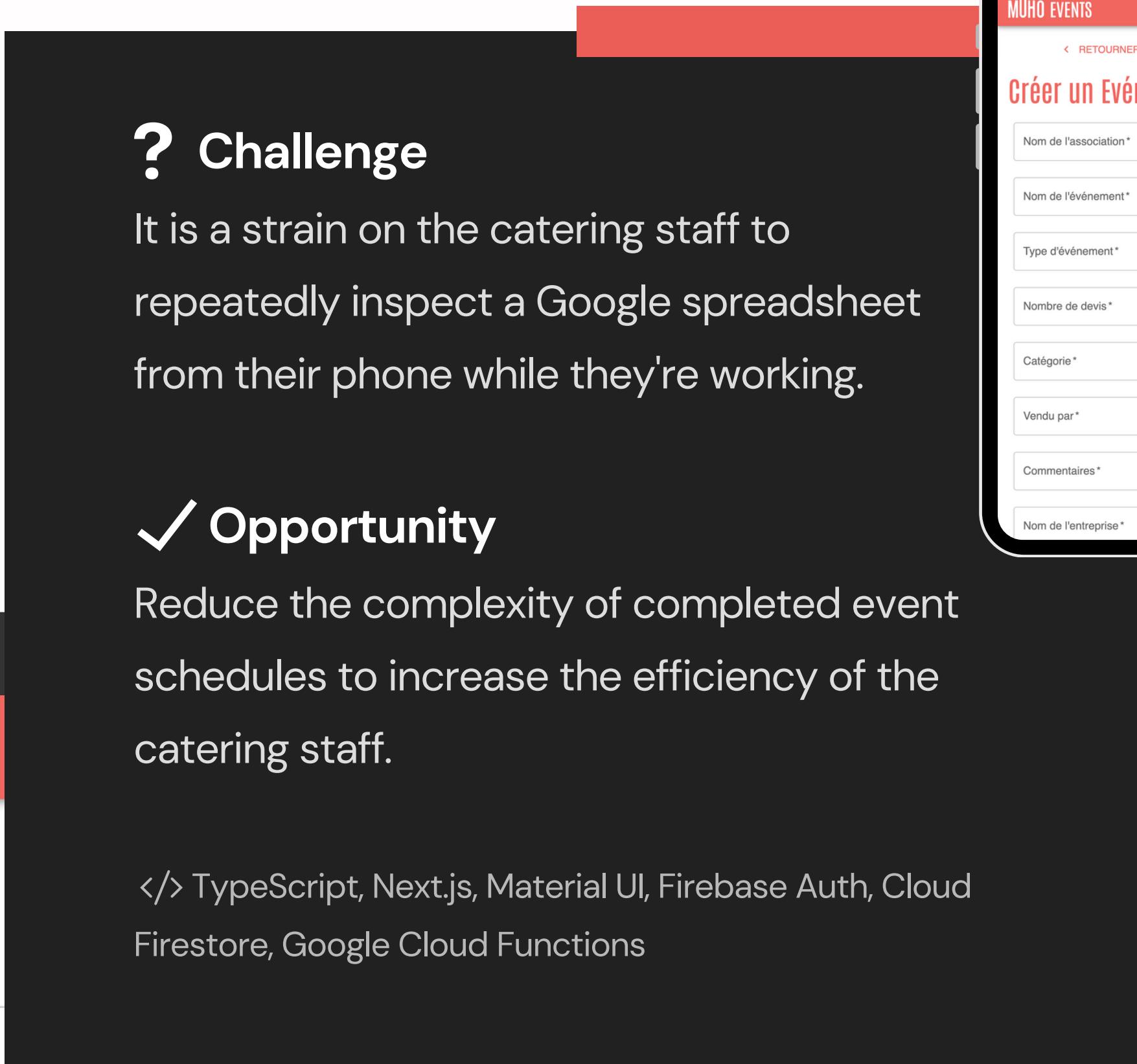
## ? Challenge

It is a strain on the catering staff to repeatedly inspect a Google spreadsheet from their phone while they're working.

## ✓ Opportunity

Reduce the complexity of completed event schedules to increase the efficiency of the catering staff.

</> TypeScript, Next.js, Material UI, Firebase Auth, Cloud Firestore, Google Cloud Functions



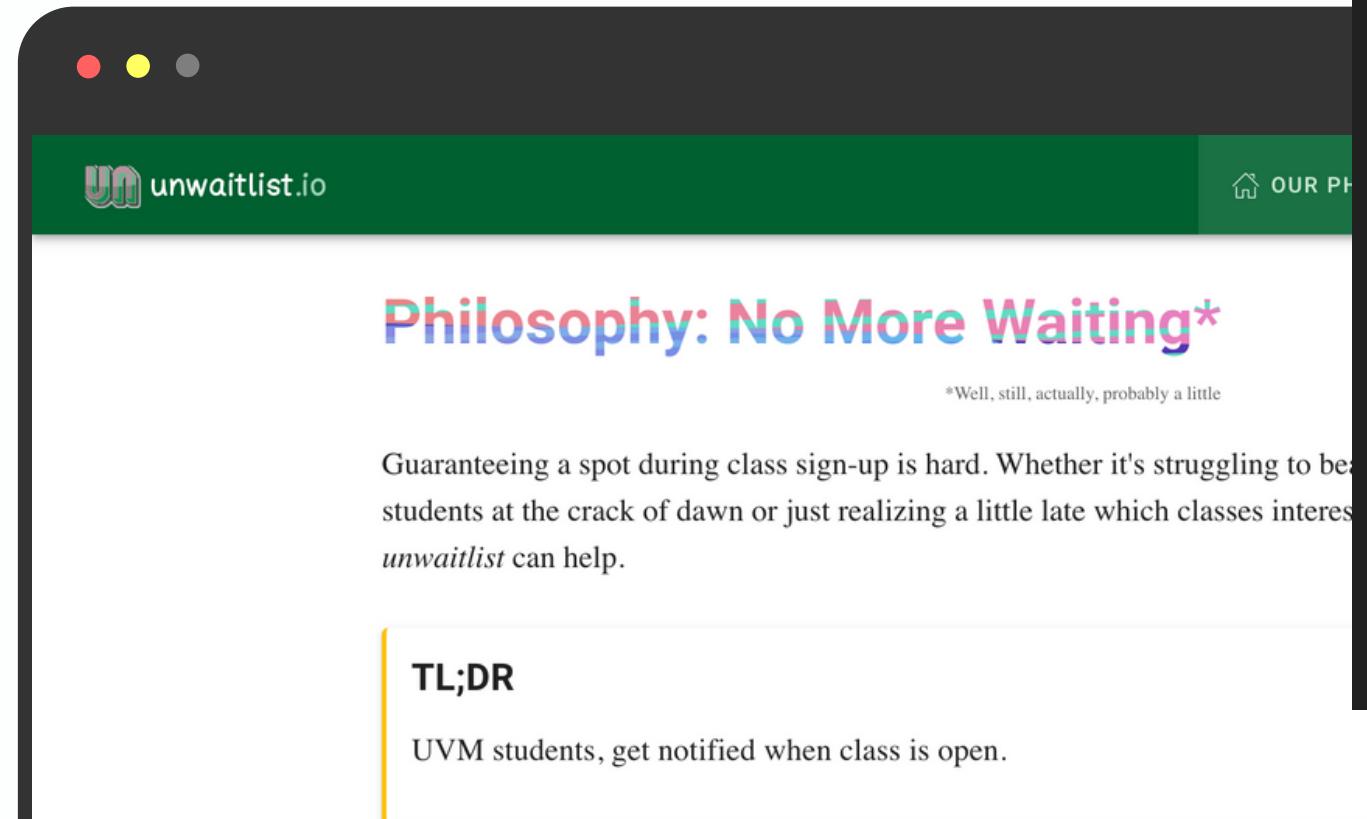
The smartphone screen shows the 'Créer un Evénement' (Create Event) page. At the top is a red header bar with the 'MOHO EVENTS' logo and a 'RETOURNER À L'ACCUEIL' (Return to Home) button. Below it is a white form area with several input fields:

- Nom de l'association\*
- Nom de l'événement\*
- Type d'événement\*
- Nombre de devis\*
- Catégorie\*
- Vendu par\*
- Commentaires\*
- Nom de l'entreprise\*

MOHO EVENTS

# Unwaitlist.io

 Source



## ? Challenge

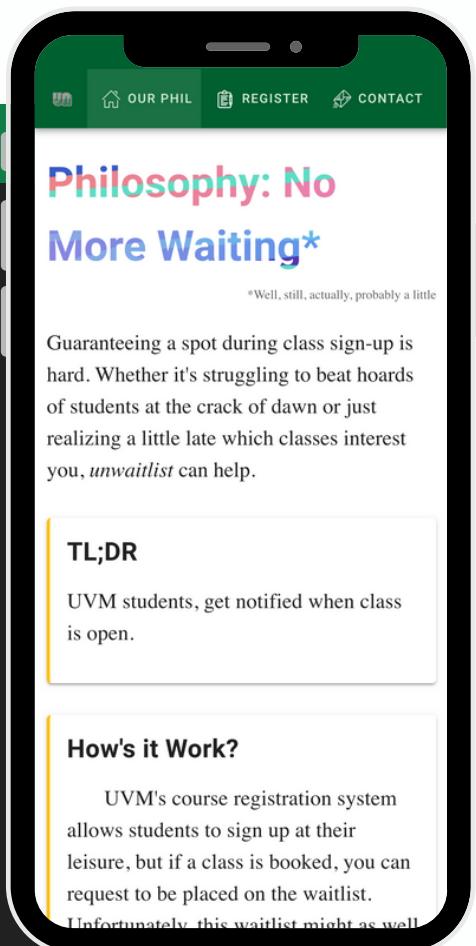
It was difficult to know when there was a spot open during class registration. The school's "waitlist" wasn't actually real.

## ✓ Opportunity

Poll the university's course registration database every 5 minutes, texting students when their desired class had an opening.

</> Vue, Nuxt.js, Azure Functions, Google Sheets SDK, Gmail SDK

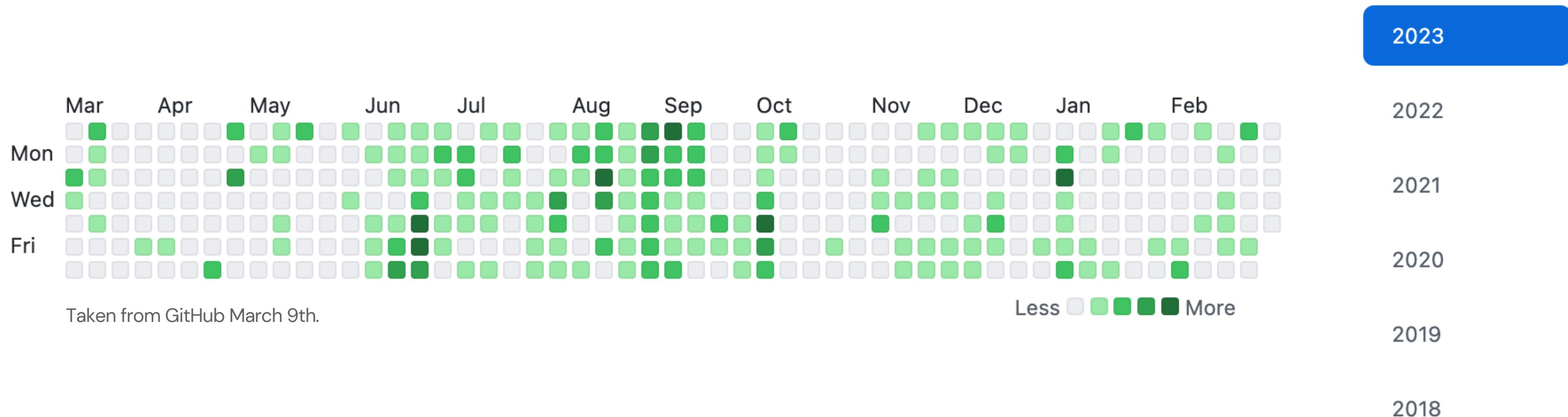
UNWAITLIST.IO



# Coding Frequency

**1,483 commits during the last year.**

Without including those done at work.





Let's *build stuff*

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