Tomas Maillo.com

Education

University of Edinburgh - *BSc Computer Science and Artificial Intelligence*   **Sept 2021 - Jun 2025**
Modules including Software Engineering, Algorithms and Data Structures, Computer Networking, Data Science
- Co-founded Project Share, an official university society and community for students to share personal tech projects, offer advice and feedback, and inspire others to build their ideas. We received funding and currently have around 50 active members.

English School of Asturias - *Secondary education*   **Sept 2017 - Jul 2021**
A-levels: Maths A*, Computer Science A*, Spanish A*, Chemistry A

Professional Experience

Spotify *London - Web Engineer Intern*   **May 2022 - Sept 2022**
Built a one-stop-shop website for everything and everyone Finance-related at Spotify (>1k people), solving the problem that financial systems were fragmented and hard to find:
- Created a launchpad of ~50 apps, personalised to each individual, along with a unified view of the whole department, combining links, metrics, information, and news about ongoing projects.
- Agile and data-driven way of working with weekly sprints, product manager, designers and 5 other engineers. Regularly demoed my work to the team and stakeholders.
- We received such positive feedback that another large business unit (Freemium) started planning for one of their teams to copy the website for their organisation.
Tools used: TypeScript, ReactJS, NextJS, GraphQL, NodeJS, Contentful

vibe-check.app - *Full-stack Engineer*   **Mar 2023 - Present**
Co-founded vibe-check with one other developer. This app enables real-time feedback in lectures at universities.
- Working with the Head of Teaching and half a dozen lecturers to test the app in real lectures in the coming academic year. If this goes well, we will secure funding for a full launch next year
- Built using Svelte front-end, NodeJS backend, E2E type safety, TypeScript, realtime websockets, CI/CD pipeline
- Demoed during the 2023 School of Informatics Entrepreneurship Festival

Personal Projects

TomasMaillo.com - *https://tomasmaillo.com/*   **Sept 2022**
Portfolio website using ReactJS and React-Three-Fiber, showcasing my recent achievements and projects.

Library Occupancy Tracker - *https://library.tomasmaillo.com/*   **Jan 2023**
Designed and developed a real-time library occupancy tracking website
- Used by 350 users with >4k unique impressions in its first semester by word of mouth.
- Built the front-end using React, with a focus on visual appeal using styled-component and Framer Motion.
- Augmented data storage by a custom-built back-end server to store historical information.
- Implemented an initial predictive model using past week data to forecast future library occupancy, with plans to develop a more advanced predictive model once more historical data is available (~2 full years of data).

BTCGlobe - *https://btcglobe.tomasmaillo.com/*   **Mar 2021**
3D representation of estimated locations of Bitcoin transactions in real time. Self-taught ThreeJS and WebSocket handling to visualise an interactive globe.

Skills & Interests

- Strong professional and personal experience with TypeScript, ReactJS, Svelte and NodeJS
- Academic and personal experience with Python, Java, R and Haskell
- Passionate about building beautiful and intuitive user experiences
- Languages: Spanish (native), English (fluent), French (B2 Level), German (Basic)

Links

- github.com/tomasmaillo
- tomasmaillo.com
- tomas-maillo
- tomasroma64@gmail.com

References available upon request