# Tom Binnie

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## PROFILE

I am a Frontend Web Developer using React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind, SQL, and with professional experience in Python through Data Science work. I am passionate about technology and nature.

## SKILLS

**Programming Languages**: JavaScript, TypeScript, HTML5, CSS3, Python, SQL (Postgres)
**Frameworks**: React, SASS, Tailwind CSS, TensorFlow
**Developer Tools**: Git, GitHub, VS Code, Linux CLI
**Natural Languages**: English (Native), Japanese (Advanced - JLPT N1), French (Intermediate)

## PROJECTS

**Soundscape** | *React, JavaScript, HTML, CSS, Tailwind*                                    live site | source code
- Responsive, mobile-first E-Commerce Frontend site.
- Uses React hooks and state in functional components for interactive and intuitive features, including adding and removing items from the user's cart and calculating price.
- Deployed using Amazon Web Services Amplify

**Portfolio Site** | *React, Sass, JavaScript*                                    live site | source code
- Personal portfolio site demonstrating other work and skills. Provides links to other projects in a responsive site with intuitive layout at any screen size.
- Utilises React Context API for toggleable dark-mode, giving users a choice of themes and improving accessibility.

**Forget-Me-Not** | *React, JavaScript, HTML, CSS, Tailwind, Python, PostgreSQL, TensorFlow* live site | source code
- Flower identification tool with photo upload, user login and saved results. Utilises self-built computer vision AI to identify British flowers from user photos.
- Convolutional Neural Network built using TensorFlow API. Trained on almost 10000 publicly available flower photos from the University of Oxford, and able to categorise 102 species.
- Responsive, mobile-first Frontend built in React.
- Deployed using Amazon Web Services Amplify

## EDUCATION

**University of Oxford**                                                                                      Oxford, UK
*Master of Science in Japanese Studies*                                                       *Oct. 2020 – Sept. 2021*

**King's College London**                                                                                    London, UK
*Bachelor of Arts (Hons) in Philosophy, First Class*                                          *Sept. 2016 – June 2019*

## EXPERIENCE

**Frontend Developer**                                                                          Aug. 2022 – Present
*Freelance*                                                                                                   *London, UK*
- Designing and building a site using React for a London-based musician.
- Integrating Shopify API into the site for e-commerce purposes.

**Junior Data Scientist**                                                                       Feb. 2022 – Present
*Sense Street, Ltd.*                                                                                          *London, UK*
- Data Science for Natural Language Processing coding in Python daily.
- Built and now maintain internal web application for visualising progress to clients.
- Analysis and reports on internal data including visualisation.