

JIMMY BOWCOTT

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TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Python, C#, SQL (T-SQL)

Frameworks: Vite, React, Node.js, Express.js, Jest, TailwindCSS, PyTorch, Tensorflow

Tools: Git, Webpack, Docker, VS Code, Visual Studio, MS SQL Server, MongoDB

EXPERIENCE

Software Engineer Intern

November 2024

Virtual Arts Ltd.

Cambridge, CB4

- Increased team organisation through the design and implementation of a ticket tracking system (MERN).

PROJECTS

Pixterest | *JavaScript, MongoDB, Express, React, Node, XML, HTML, TailwindCSS*

jimmybowcott.github.io/pixterest

- Built a Pinterest clone with search and save functionality via DeviantArt's REST API, delivering a fully responsive design with a unique theme variation. The app allows users to create an account and save/unsave posts to the external database.

3D Visualiser | *TypeScript, React, React Three Fiber, HTML, TailwindCSS*

- Delivered an interactive site with a 3D product demo using React Three Fiber, meeting client specifications and tight deadlines. Ensured type safety with TypeScript and achieved a fully responsive mobile design.

Algorithm Visualiser | *JavaScript, React, HTML, TailwindCSS*

jimmybowcott.github.io/algorithm-visualiser

- Developed an algorithm visualizer for search and sort methods, incorporating array, tree, and graph structures with interactive, mobile-friendly design.

EDUCATION

Loughborough University

2021 - 2024

BEng in Aeronautical Engineering, (first class honours)

Loughborough, LE11

- Project: Programmed a deep learning app for automotive sensors, slashing data processing time by 80% and boosting data availability with enhanced error handling. (Python/MATLAB)

Glyn School

2017 - 2021

A-level Spanish, Maths, Physics, EPQ (A, A*, B, A*) and 10 GCSEs*

Epsom, KT17

ADDITIONAL EXPERIENCE

Team Leader

2021 - 2024

The Junction Church

Loughborough, LE11

- Developed leadership and communication skills by tripling team size and doubling member engagement, significantly enhancing team impact and visibility.

Officer Cadet

2021 - 2022

British Army (East Midlands UOTC)

Beeston, NG9

- Gained crucial leadership and organisational skills, including training in high pressure environments both in the UK and overseas.

ADDITIONAL INFORMATION

- 4+ years of graphic design experience
- Spanish speaker
- Full UK drivers licence