

# JIMMY BOWCOTT

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## TECHNICAL SKILLS

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**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

## PROJECTS

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**Pixterest** | *JavaScript, MongoDB, Express, React, Node, XML, HTML, TailwindCSS* <https://pixterest.onrender.com/>

- 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](https://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

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**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.

**Glyn School** 2017 - 2021

*A-level Spanish, Maths, Physics, EPQ (A\*, A\*, B, A\*) and 10 GCSEs* Epsom, KT17

## EXPERIENCE

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**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

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