# 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

## PROJECTS

**Pixterest** | *JavaScript, MongoDB, Express, React, Node, XML, HTML, TailwindCSS, Docker*     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 is containerised using Docker and allows users to create an account to save/unsave posts.

**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.

**Glyn School**                                                                            2017 - 2021
*A-level Spanish, Maths, Physics, EPQ (A\*, A\*, B, A\*) and 10 GCSEs*                      *Epsom, KT17*

## 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