

Jason Lam

<https://jasonlam.netlify.app/> | contactjasonlam@gmail.com | <https://www.linkedin.com/in/jason-lam> | github.com/jasonHYLam

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, HTML/CSS

Frameworks: React, Node.js, Express, ASP.NET

Developer Tools: Git, VS Code, Postman, Linux, Microsoft Azure

Libraries: ReactRouter, Passport, Vitest, Jest, SuperTest, MongoMemoryServer

PROJECTS

Saturated (Art Studying App) | *TypeScript, React, C#, ASP.NET, PostgreSQL* [Live](#) | [Backend](#) | [Frontend](#)

- Developed educational web app to help artists improve their observational skills and expand their visual library. Features unique image tagging functionality, note creation, and color analysis tools via Canvas API.
- Developed C# web API to handle PostgreSQL database CRUD operations, with authentication via ASP.NET Core Identity service, and Cloudinary integration to handle image storage and thumbnail creation.

Tabasco (Social Media App) | *NodeJS, Express, React, MongoDB* [Live](#) | [Backend](#) | [Frontend](#)

- Developed a fullstack social media CRUD application based on Twitter, with RESTful APIs and route authorization.
- Features frontend testing (Vitest) and 90% coverage backend testing (Jest, Supertest and MongoMemoryServer.)

Blue Messaging App | *NodeJS, Express, React, MongoDB* [Live](#) | [Backend](#) | [Frontend](#)

- Developed a fullstack messaging app based on Discord, with RESTful APIs and responsive design.
- Implemented One-to-One relations for MongoDB documents, reducing document size to improve efficient querying.

OPEN SOURCE SOFTWARE CONTRIBUTION

The Odin Project June 2023 – April 2024

- Authored brand new curriculum content introducing learners to Views in Express, working alongside contributors to revamp the Node.js curriculum for 1.2 million learners.
- Made GitHub PRs to improve readability, clarity and consistency of several lessons, improving curriculum content for 1.2 million learners.

EXPERIENCE

Transport Planning (Placement Year) Sep. 2021 – June 2022
ARUP *Amsterdam, Netherlands*

- Worked abroad in Amsterdam in fast-paced global engineering firm in the Transport Planning department, quickly learning specialist software and integrating with the team to deliver in-house products, whilst in a different culture.
- Developed script to locate parking spaces for e-scooters, automating a manual process to save the team 30-40 hours per week. Worked closely with the team to understand pain-points and discuss ideas, delivered presentation and authored documentation during development.
- Implemented critical fix of script used to deliver timetables for Amsterdam Central Station, allowing business proposal to expand station infrastructure to continue.

EDUCATION

University of Bath Bath
Bachelor of Engineering in Civil Engineering (Upper Second-Class Honours/ 3.7 GPA) *Sep. 2019 – May 2023*

- Authored dissertation on potential for landslide forecasting based on rainfall, using Python to analyse large global data sets and generate forecast simulations for investigation.
- Kit manager for Kickboxing Society, coordinated with society and university to successfully manage and deliver stock to club members during COVID time.