

Aron Teh

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Exceptionally fast learner, self-taught from complete beginner to a full time software engineer position in less than 4 months. Most experienced in frontend and fullstack web development, with interest in machine learning.

📁 Professional Experience

Amazon  Nov 2022 – present | United Kingdom

Software Development Engineer

- Developing scalable, thoroughly tested backend API features with complex expectations and dependencies.
- Building a universally compatible backend as a service for current and future Living Room device teams and projects.

THG  Sep 2021 – Oct 2022 | United Kingdom

Software Engineer

- Developed and maintained an Angular component library and Java backend to be used by multiple internal teams.
- Collaborated effectively with UX designers to build Angular UIs for an internal content management system.

{ } Programming Languages

HTML | CSS (Sass, Less) | JavaScript | Typescript | Python | SQL | Java | MATLAB | Dart | Rust | R

🔧 Skills and Technologies

Angular | React (Next.js) | Firebase | Tailwind | Git | npm | Yarn | webpack | RxJS | AWS | Axios
Continuous Integration | Continuous Deployment | Jest | Testing (Unit, Integrated, E2E) | Bash | Scrum
Kanban | REST | GraphQL | Flutter | Docker | Kubernetes | Vue | Svelte | Gradle | Spring | Flask

🔗 Technical Personal Projects

SkyStory 

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material, Axios, RxJS, REST API, PWA

- Dynamically themed responsive progressive web application (PWA) where users can query live and forecast weather information, utilising a third-party REST API service to retrieve weather data.
- Integrated Firebase authentication and Firestore database automatically saves queries for authenticated users.

NanoNote 

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material

- Lightweight and responsive web application for managing simple notes, integrated with Firebase authentication.
- Users can create, update, sort and categorise unlimited notes in an intuitive, minimalistic and dual-themed UI.

TurboFile 

React (Next.js), Firebase (Storage, Authentication), Tailwind, Material UI, Jest, Puppeteer, Vercel Hosting

- Responsive web application enabling users to easily and efficiently upload and share files within seconds.
- Additional features to view, download and manage uploaded files are made available to Google authenticated users.

Online Chat Application 

React, TypeScript, Python, Flask, SQLite, Material UI

- Simplistic single-room chat application where users connect with a username and chat with other connected users.
- Hosted frontend using GitHub Pages with a backend Flask application and SQL database deployed with Heroku.

Travelling Salesman Problem Visualiser 

Angular, TypeScript, Angular Material

- Interactive visualisation of various heuristic and brute force algorithms for the Travelling Salesman Problem.

🎓 Education

Imperial College London 2017 – 2021 | London, United Kingdom

Aeronautical Engineering (MEng, Master of Engineering)

Master's Thesis  : Sparse conic optimisation parallel solver with the Alternating Direction Method of Multipliers.

Notable Modules: High Performance Computing, Mathematics, Numerical Analysis, Optimisation, Control Systems.

🌐 Languages

English (Native Proficiency) | Chinese (Native Proficiency)

♟ Interests

Chess (Youngest ever Malaysia National Chess Champion (2013), FIDE Master (Lifetime International Title), World Chess Olympiad Participant (Norway 2014), President of Imperial College London Chess Club (2018-2019))