Aron Teh

Software Engineer
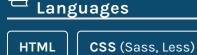
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I am a self-taught programmer and a very fast learner. In 2020 summer, I went from my first line of code to securing a full time software engineering position in 4 months.

Technologies and languages listed in decreasing order of proficiency

Technologies

Angular	React (Next)
Git	Firebase	Tailwind
CI/CD	Bash	Docker
Kubernetes	Flutter
Scrum	Flask	Gradle
GraphQL	Vue	Svelte

Programming Languages

HTML	CSS (Sass, Less)
JavaScript	Typescript
Python	SQL	Java
MATLAB	Dart	R
Solidity	C++	C#

Languages

English (Native Proficiency)

Chinese (Native Proficiency)

Spanish (Beginner)

Cantonese (Beginner)

Professional Experience

THG ☐
Graduate Software Engineer
Sep 2021 – present | United Kingdom

- Developing and maintaining an Angular component library and Java backend, to be used by multiple internal teams.
- Working alongside UX designers to build Angular UIs for an internal tooling platform used by over 80 company clients.
- Performed an end-to-end customer profile SQL database migration for a recent company acquisition.
- Developed GraphQL APIs for THG's e-commerce platform.

Education

Imperial College London
Aeronautical Engineering (Master of Engineering)
Sep 2017 – Jun 2021 | London, United Kingdom

Masters Thesis ☐ : Explored and built a parallel solver for sparse conic optimisation problems using a variation of the Alternating Direction Method of Multipliers.

Concordia International School Shanghai
High School Diploma - Advanced Placement Examinations
Aug 2013 – Jun 2017 | Shanghai, China

Technical Projects

I enjoy coding side projects in my free time to explore new languages, frameworks and technologies. Here are my favourites, and the rest are on my website ☐ .

NanoNote ☐
Angular, TypeScript, Firebase, Tailwind, Angular Material
A lightweight and responsive sticky notes web application. Users can authenticate with Firebase; then create, manage and categorise unlimited sticky notes in a simple and intuitive UI.

TurboFile ☐
React (Next), TypeScript, Firebase, Tailwind, Material UI
A responsive web application that allows users to upload and share large files almost instantly. Users can additionally authenticate with Google to view and managed uploaded files.

Online Chat Application ☐
React, TypeScript, Python, Flask, SQLite, Material UI
A single-room chat application where users can connect with a username and chat with others. Hosted using GitHub Pages with a backend SQL database deployed with Heroku.

Travelling Salesman Problem Visualiser ☐
Angular, TypeScript, Angular Material
An interactive visualisation and explanation of various solutions to the Travelling Salesman Problem. Implements 9 different heuristic and brute force algorithms.

Quiz App ☐
Flutter, Dart, Firebase
A cross-platform application with multiple interactive quizzes. Authenticated users can view and manage their quiz progress.

Interests

Chess

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