

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. The frontend is hosted using GitHub Pages with a backend SQL database deployed with Heroku.

Travelling Salesman Problem Visualiser

Angular, TypeScript, Angular Material

An interactive and customisable visualisation of various solutions to the Travelling Salesman Problem. Hosted on GitHub Pages, the app 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).