

Aron Teh

Software Engineer

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I am a self-taught programmer. In the summer of 2020, I went from my first line of code to securing an offer for 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

Flutter

Bash

Gradle

Scrum

Docker

Kubernetes

Flask

GraphQL

Vue

Svelte

Programming Languages

HTML

CSS (Sass, Less)

JavaScript

Typescript

Python

MATLAB

SQL

Java

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 to be used by multiple internal teams
- Built client-facing user interfaces for an internal client-facing tooling platform with Angular and NodeJS
- Performed an end-to-end customer SQL database migration for a recent company acquisition
- Developed backend GraphQL APIs in Java

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 the Alternating Direction Method of Multipliers

Concordia International School Shanghai

High School Diploma

Aug 2013 – Jun 2017 | Shanghai, China

Technical Projects

I enjoy coding 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, Material

A responsive and lightweight 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 in 3 clicks. Users can additionally authenticate with Google to view and managed uploaded files.

Online Chat Application

React, TypeScript, Python, Flask, SQLite

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

An interactive visualisation and explanation of various solutions to the Travelling Salesman Problem. Implements 9 different heuristic and brute force algorithms.

Social Links Portfolio Site

React (Next), TypeScript, Vercel, Tailwind

A 'Linktree-like' social links portfolio site built for a close friend. Implements dynamic theming with Tailwind.

Interests

Chess

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