

# 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

Testing (Unit, E2E)

Jest

Flask

Gradle

GraphQL

Vue

Svelte

### Programming Languages

HTML

CSS (Sass, Less)

JavaScript

Typescript

Python

SQL

Java

MATLAB

Dart

R

### Languages

English (Native Proficiency)

Chinese (Native Proficiency)

Spanish (Beginner)

Cantonese (Beginner)

### Professional Experience

THG

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 web application for managing simple notes. Once authenticated with Firebase, users can create, update, delete, sort and categorise unlimited sticky notes in an intuitive and minimalistic 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 manage 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

A interactive visualisation and explanation of various heuristic and brute force algorithms for the Travelling Salesman Problem.

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)