

# Aron Teh

## Software Engineer

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I am a self-taught programmer. During summer 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

Docker

Kubernetes

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 API, to be used by multiple internal teams
- Building Angular user interfaces for an internal tooling platform used by 100+ company clients
- 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 a variation of 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 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

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.

#### 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 (International Title)
- World Chess Olympiad Participant (Norway 2014)
- President of Imperial College Chess Club (2018-2019)