

Aron Teh

Software Engineer

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Exceptionally fast learner, self-taught from first line of code to securing a full time software engineering role in less than 4 months. Particularly interested in frontend web and cross-platform development.

Technologies and languages listed in decreasing order of proficiency

Skills and Technologies

Angular

React (Next)

Git

Firebase

Tailwind

CI/CD

Bash

Scrum

Docker

Kubernetes

Testing (Unit, E2E)

Jest

Flutter

Gradle

Flask

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.
- Collaborating with UX designers to build Angular UIs for a content management system used by over 90 company clients.
- Performed an end-to-end customer profile SQL database migration for a recent company acquisition.

Education

Imperial College London

Aeronautical Engineering (MEng, 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.

Notable Modules: High Performance Computing, Mathematics, Numerical Analysis, Optimisation, Control Systems.

Concordia International School Shanghai

High School Diploma and Advanced Placement (AP) Examinations

Aug 2013 – Jun 2017 | Shanghai, China

Technical Projects

Always exploring new languages, frameworks and technologies through designing and building personal projects.

NanoNote

Angular, TypeScript, Firebase, Tailwind, Angular Material

Lightweight, responsive, dark-theme-enabled 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, Jest, Puppeteer

Responsive web application where users can upload and share large files in seconds. Additionally, users can authenticate with Google to view, download and manage uploaded files.

Online Chat Application

React, TypeScript, Python, Flask, SQLite, Material UI

Simplistic single-room chat application where users 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

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)