

# Aron Teh

## Software Engineer

aronteh.com

github.com/Ellipsoul

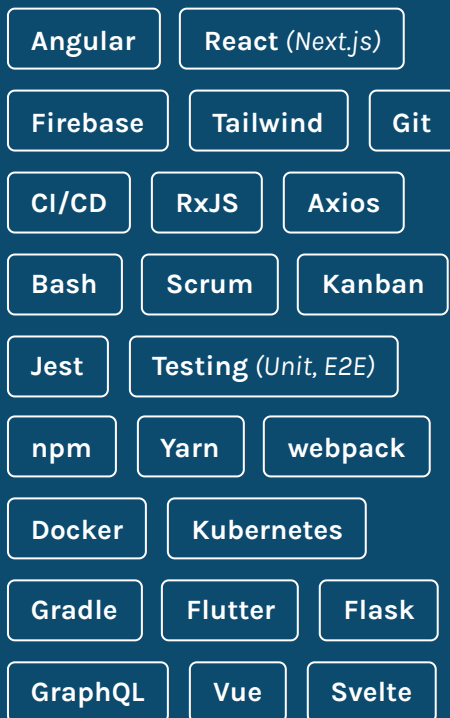
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Exceptionally fast learner, self-taught from first line of code to securing a full time software engineering role in less than 4 months. Particularly interested in frontend web and cross-platform development.

### Skills and Technologies



### Programming Languages



### Languages

English (Native Proficiency)

Chinese (Native Proficiency)

### 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, while confidently handling challenging and dynamic BAU tasks.
- Collaborated effectively with UX designers to build Angular UIs for a content management system used by over 100 clients.
- Successfully 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

Master's 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, Introduction to Computing, Computational Aerodynamics.

### Technical Personal Projects

#### SkyStory

Angular, Firebase, Tailwind, Angular Material, Axios, RxJS, PWA

- Dynamically themed responsive progressive web app (PWA) where users can query live and forecast weather information.
- Utilises a third-party API service to retrieve weather data.
- Integrated Firebase authentication and Firestore database automatically saves past queries for authenticated users.

#### NanoNote

Angular, Firebase, Tailwind, Angular Material

- Lightweight and responsive web application for managing simple notes, integrated with Firebase authentication.
- Users can create, update, sort and categorise unlimited sticky notes in an intuitive, minimalistic and dark-theme-enabled UI.

#### TurboFile

React (Next.js), Firebase, Tailwind, Material UI, Jest, Puppeteer

- Responsive web application enabling users to easily and efficiently upload and share files within seconds.
- Additional features to view, download and manage uploaded files are made available to Google authenticated users.

#### 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 of various heuristic and brute force algorithms for solving the Travelling Salesman Problem.

### Interests

#### Chess

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