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Zenan Han

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Education

University of California, Berkeley (BA)   **Expected Graduation: 2024**

- Computer Science & Data Science double major
- GPA: 3.88

Raffles Institution (High School)

- GPA/A-Levels: 4.0/Full Distinctions

Employment

Software Engineering Intern   ArcLab.io   **Feb 2021 – July 2021**

- Worked with React, MongoDB and Node.js to improve and maintain educational web application which analyzes and organizes users' learning statistics for employers to view in real-time
- Implemented new features such as template sharing, geofencing and user-customizable Open Graph settings for templates
- Spearheaded testing switch from end-to-end to integration testing with Jest and React Testing Library
- Promptly addressed production bugs in existing JavaScript architecture

Projects

Singapore Armed Forces (SAF) Dispersal Automator   **Apr 2019 – Feb 2021**

- Developer and maintainer of web app simplifying SAF 8th Infantry Regiment's soldier dispersal methods | See the public version here: **https://dispersal-278606.web.app/**
- Utilized Distance Google Matrix API to generate public transport travel times from entered postal code to 54 SAF Camps
- Reduced time taken to gather these durations from two minutes to two seconds per postal code
- Used Angular2 for front-end, Firebase for back-end and hosting

DeepL Textractor   **Nov 2020 - Present**

- Developed auto-translator leveraging DeepL's free browser translating | **https://github.com/zenanana/DeepL-Textractor**
- Supporting 10 languages, anything copied to users' clipboards is automatically translated within 0.5 seconds
- Used Selenium, tkinter and PyInstaller

Personal Website   **Aug 2020 - Present**

- Developed personal website with React for front-end | **https://www.zenanhan.com/**
- Deployed with GitHub Pages

Technical Skills

Languages

JavaScript, TypeScript, Python, Java, Scheme, HTML, CSS,

Technologies/Frameworks

React, Angular2, Node.js, Jest, Testing Library, Firebase, AWS, MongoDB, Git, WordPress