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Zenan Han
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Education

University of California, Berkeley (Bachelor's Degree)   Aug 2021 onwards

- Intended Computer Science major

Raffles Institution (High School/A-Levels)   Jan 2013 – Dec 2018

- A-Levels: "A" grade for all courses | 90 Rank Points
- Courses Taken: H2 Mathematics, H2 Physics, H2 Chemistry, H2 History, H1 Project Work, H1 General Paper

Employment

Software Engineering Intern   ArcLab.io – Singapore, SG   Feb 2021 – Present

- Implemented community social sharing feature with **React** and **WordPress**
- Using **React**, **MongoDB** and **Node.js** to improve and maintain educational web application that analyses and organizes users' learning statistics for employers to view in real-time
- Address regular production bugs in existing **JavaScript** architecture

Media Coordinator   Singapore Army – Singapore, SG   Feb 2019 – Feb 2021

- Managed a regiment's social media accounts and covered military events as a photographer as part of my mandatory 2-year conscription into the army

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 | https://dispersal-278606.web.app/
- Utilised 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 five 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 service to bypass DeepL's paid API service | https://github.com/zenanana/DeepL-Textractor
- Supporting 10 languages, anything copied to users' clipboards are automatically translated within 1 second
- Utilised 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, HTML, CSS, Python

Technologies/Frameworks

    React, Angular2, Node.js, Firebase, AWS, MongoDB, Git, WordPress

github.com/zenanana