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## Education

Raffles Institution (Secondary & Junior College)

01/2013 – 12/2018

- Levels: "A" grade for all courses | Graduation Date: December 2018
- Courses Taken: H2 Mathematics, H2 Physics, H2 Chemistry, H2 History, H1 Project Work, H1 General Paper

## Projects

Singapore Armed Forces (SAF) Dispersal Automator

April 2019 - Present

- Sole developer and maintainer of web app that simplified SAF 8<sup>th</sup> 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

November 2020 - Present

- Wrote auto-translator leveraging DeepL's free browser translating service to bypass DeepL's paid API service | <https://github.com/zenanana/DeepL-Texttractor>
- Supporting 10 languages, anything copied to users' clipboards are automatically translated within 1 second
- Utilised Selenium, tkinter and PyInstaller

Personal Website

August 2020 - Present

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

## Experience

Leadership

- Frank Cooper Sands Gold Award for scouting 2013, 2014, 2015, 2016
- Leader of Raffles & Shibuya Makuhari Exchange April 2016 – October 2016
- Exco & Quartermaster of Raffles Institution Drama Club June 2017 – May 2018

## Skills

Languages

JavaScript, TypeScript, HTML, CSS, Python

Technologies/Frameworks

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

## Community Service

Special Education

- (2015) Part of five-person research team at Rainbow Centre Margaret, researching positive effects of long-term exposure to exercise-gaming on the motor skills of children with special needs aged 10-12
- (2016) Intern homeroom teacher for four weeks at Rainbow Centre Yishun for a 5<sup>th</sup> grade class of children with special needs