


SEAN YAN

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 [Personal Website](#)

 [DHSYan](#)

SKILLS

Languages: Javascript/Typescript, C, Python, Rust, Scheme(Racket), MMIX(Assembly Like), HTML/CSS, LaTeX
Tools: React, NextJS, Flask, ExpressJS, Selenium, Nix/NixOS, Git/GitHub, Linux, Vim, Bash, Testing
VSCode, SSH, VirtualBox/VMware, Automation, Raspberry Pi, Excel, Word, MacOS, Windows

EXPERIENCES

Mathematics & English Tutor Taichung, TW
Meiko School

05/2023 - 07/2023

- Tutored students from years 1 - 12 in Mathematics and English.
- Improved students' school Mathematics test scores from 46% to 96%
- Helped students gain confidence in the topics of mathematics through lively teaching.
- Written quality reports to help parents better understand students' performance in sessions and provide comments on ways to continuously self-improve in the field of math.

PROJECTS

PRIMPL Assembler, SIMPL Compiler

- Programmed both a compiler and an assembler for an imperative language and an assembly-type language.
- Developed a strong understanding of core programming and computer science concepts, such as memory management, low-level computer architecture, data structures and algorithms.

.dotfiles - Software Development Workflow

- A proactive passion project started with the love and goal of mastering the software development process.
- Experienced with NeoVim with Lua, Bash scripting, Automation, and Terminal Multiplexer.
- With 100+ commits, developed a strong skill of managing Git/Github workflow.

Personal Website

- Developed a personal website with HTML and CSS to showcase projects.
- Acquired skills in basic front-end design, such as CSS concepts and Flexbox.
- Developed a core understanding of web principals, such as the DOM, browsers, and web servers.

Auto Form Filler (Web Scraper)

- Automated submission of daily health forms during the pandemic by using Python and Selenium to interact with the web via a terminal, which optimized the repetitive daily form-filling process for students.

VOLUNTEERING

Farmer Miaoli County, Taiwan
Local Farm in Taiwan

07/2022 - Present

- Worked on a local farm in Taiwan, to help plant trees, banana plants, and general maintenance of gardens.

Speaker of the Student Parliament North Vancouver, BC
Bodwell High School

02/2022 - 06/2022

- Led and managed all meetings that the parliament conducted, and developed communication and interpersonal skills.

English Teacher Taichung, TW
Team Alpha

07/2020

- With minimal supervision, volunteered to teach English to local Taiwanese primary school students for 8 hours/day.

EDUCATION

University of British Columbia

09/2023 - Present

Program: Bachelor of Science

Major: Combine Major in Science

Extra-curricular: Ultimate Frisbee