Tiu Wee Han

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SKILLSETS

- **Programming Languages:** JavaScript • TypeScript • Ruby • Java • Python • C • Swift • SQL • HTML • CSS
- **Web Development & DevOps:** React • Angular • Redux • Rails • Nginx • Jenkins • Google Analytics
- **Other Tools:** Docker • Vagrant • Git • Linux • Vim • NodeJS • Gradle • JavaFX

EDUCATION

National University of Singapore   Aug 2018 – Present
Bachelor of Computing (Computer Science) and Bachelor of Science (Applied Mathematics) – Double Degree Programme
- **Cumulative CAP:** 4.94 / 5.0 – On track to First Class Honours (Highest Distinction)
- **Relevant Distinctions:** Programming Methodology I & II, Data Structures & Algorithms, Software Engineering
- **Honors & Awards:** Dean's List (Fall'19)

WORK EXPERIENCE

Computing for Voluntary Welfare Organizations (CVWO)   May 2019 – Sep 2019
Software & DevOps Engineer
- Upgraded and maintained Senior Activities Center & Neighborhood Links (SAC-NL), an internal workflow management system used by Voluntary Welfare Organizations to manage daily operations for 15 elderly care centers around Singapore.
- Deployed 3 additional systems for Sheng Hong Welfare Services and Care Corner Singapore.
- Developed a brand-new web portal for ASEAN University Network Quality Assurance (AUN-QA), a regional accreditation body that evaluates and certifies degree programmes for 30 ASEAN member universities.
- Worked with React-Redux-Typescript, Ruby-on-Rails, PostgreSQL, Docker, Nginx and Google Analytics.

Cancer Science Institute (CSI)   Jan 2019 – May 2019
Data Analyst
- Worked with NSCC supercomputers to parse and extract meaningful data from terabytes of raw genomic data.
- Results were used to profile algorithms that identify cancer-causing mutations based on cost, speed and accuracy.
- Developed extensible command line tools in Bash, Python and Java to automate the overall workflow for researchers.

PROJECTS

Netlify CMS   Jan 2020 – Present
- Contributed to Netlify CMS, an open source headless content management system (CMS) for managing static sites.
- Refactored codebase (React-Redux-Typescript) to include support for multiple languages and improved documentation.

TEAMMATES   Dec 2019 – Present
- Worked on TEAMMATES, an online peer evaluation system used by more than 400,000 users from 2000 educational institutions.
- Restructured codebase (Angular-Java-Google App Engine) to improve maintainability and testability.

Singapore Management University – Student Managed Investment Fun (SMU-SMIF) Website   Jul 2019 – Present
- Built and deployed the organizational website for SMU-SMIF, Singapore's first investment fund managed by undergraduates.

CO-CURRICULAR ACTIVITIES

Computing for Voluntary Welfare Organizations (CVWO)   Sep 2019 – Present
President
- CVWO is an interest group in NUS that develops IT systems for VWOs to more effectively serve the community.
- Appointed as President for the 14th iteration of CVWO to manage live production systems and oversee club publicity efforts.

National University of Singapore (NUS)   Aug 2019 – Present
Teaching Assistant
- CS1101S (Fall '19) – Programming Methodology – Student rating of 4.8 / 5.0, with 84% teaching award nominations.
- CS2040S (Spring '20) – Data Structure and Algorithms – Head Teaching Assistant.

NUS Hackers   Dec 2018 – Present
Coreteam Member
- Organized events such as Friday Hacks (a weekly tech meetup) and Hack&Roll (the largest student-run hackathon in Singapore).