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EDUCATION

National University of Singapore

Singapore

Bachelor of Science in Food Science and Technology, Minor in Computer Science

Aug 2018 – Present

- Cumulative Average Point (CAP): 4.5 out of 5.0
- Expected time of graduation: May 2022
- Awarded the Shirdi Sai Worship Centre Scholarship for Academic Years 2018/19, 2019/20, and 2020/21
- Coursework: Software Product Engineering for Digital Markets, Programming Methodology, Data Structures & Algorithms, Computer Networks, Discrete Maths, Calculus, Professional and Academic Communication

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, JSX, C++, SQL, VB.NET, Shell, \LaTeX , Markdown, HTML5, CSS.
- **Frameworks & Software:** React, React Native, Redux, Android Studio, Node.js, Microsoft Office suite, Adobe Photoshop, XD, Illustrator, Premiere Pro, Audition, Lightroom, and After Effects, Image-Line FL Studio.

PROJECTS

BloodConnect (bloodwork-nus.github.io/bloodconnect | github.com/bloodwork-nus/bloodconnect)

- Solely developing a platform for connecting blood seekers and donors, with Android and iOS mobile apps powered by React Native and serverless back-end powered by Firebase. This is an NUS Orbital 2020 Artemis level project.

KeepTrack (purfectliterature.github.io/keeptrack | github.com/purfectliterature/keeptrack)

- Developed a React Native app for Android and iOS to scan and save SafeEntry QR codes, allowing users to check-in and check-out of SafeEntry from the KeepTrack without repeatedly scanning the QR codes.

CheMakers Answers (bit.ly/chemakers | github.com/purfectliterature/chemakers-ans)

- Developed a companion React app for a research organic chemistry board game for mobile devices to provide solutions to problems with QR code.

WORK EXPERIENCE

Smart Nation and Digital Government Office (SNDGO)

Singapore

Lead Instructor — Python Programming for the Public Service

Dec 2019 – Present

- Conduct training on Python programming and data analysis to officers from SNDGO and Ministry of Defence.
- Organise teaching materials with emphasis on data processing, analysis, and object-oriented programming.

School of Computing, National University of Singapore

Singapore

Senior Teaching Assistant — Programming Methodology

Aug 2019 – Present

- **Appointed Head in Dec 2019 – Jul 2020** to coordinate the administrations of TAs and students in the module.
- Conduct tutorial classes to undergraduates and plan teaching materials which align with learning objectives while incorporating solutions of various methodologies, achieving average teaching effectiveness of 4.1/5.0.
- Grade continuous assignments and provide constructive feedback for students' self-improvement, achieving the fastest average grading time of 1 hour and 16 minutes in AY2019/2020 Semester 1.

SENSI Indonesia

Jakarta, Indonesia

Freelance (github.com/purfectliterature/GenericAntimony, cleaned source code)

May 2019 – Jul 2019

- Developed a **frontend** Customer Records Management app for Android, and the **backend** RESTful API with Node.js in JavaScript and database management with MySQL.
- Developed a Windows app for database create, read, update, and delete (CRUD) with VB.NET and MySQL.

CO-CURRICULAR ACTIVITIES

Ridge View Residential College Multimedia Team

Singapore

Official Photographer

Sep 2018 – Present

- Assists documentation of events (e.g. NTUC Walk for Rice, NUS Open Day 2019) for outreach and publications.

Jukebox, Music Interest Group of Ridge View Residential College

Singapore

Senior Member, Percussionist

Sep 2018 – Present

- Proactively performs with cajon, drums, or guitar in a band of five members.
- Performed in "Concert by the Ridge" on Apr 7, 2019 at University Cultural Centre attended by over 300 people.

ADDITIONAL INFORMATION

- **Languages:** Fluent in Academic English, Fluent in Academic Bahasa Indonesia, and Hokkien.
- Enjoys music production, established a Spotify for Artists account, and has published two tracks on iTunes.