

## 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 2018/2019 and 2019/2020
- Coursework: Computer Networks, Programming Methodology, Discrete Mathematics, Calculus, Statistics for Life Sciences, Workplace Readiness, Professional and Academic Communication

## TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, JSX, C++, SQL, VB.NET, Shell,  $\text{\LaTeX}$ , 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](https://bloodwork-nus.github.io/bloodconnect) | [github.com/bloodwork-nus/bloodconnect](https://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](https://purfectliterature.github.io/keeptrack) | [github.com/purfectliterature/keeptrack](https://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](https://bit.ly/chemakers) | [github.com/purfectliterature/chemakers-ans](https://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 Finance.
- Organise teaching materials with emphasis on data processing, analysis, and object-oriented programming.

### School of Computing, National University of Singapore

Singapore

*Head Teaching Assistant — Programming Methodology*

Aug 2019 – Present

- Delegate and coordinate the administrations of teaching assistants 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](https://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.