Gabriel Yeo

🌐 gabrielyeo.com   ✉ gabriel.yfy@gmail.com   ⌨ gb3h   📱 +65 96741086

EDUCATION

National University of Singapore   **Singapore**
BComp (Hons) in Computer Science GPA: 4.66/5.0   *Aug 2018 - June 2022 (Expected)*

EXPERIENCE

Sea Group   **Galaxis, Singapore**
Software Engineer Intern   *May 2020 - Aug 2020*
- Created a custom, full-stack Content Management System (CMS) for the internal business team.
- The CMS is the control center for the help center website and consists of category/tag creation and management, article editing and styling, full changelog features to track article changes, custom indexing, OAuth integration, and permission control.
- Created a responsive help center website for SeaTalk in ReactJS.

Tagvance   **Pier71, Singapore**
Systems Software Developer Intern   *May 2019 - Sep 2019*
- Deployed and managed OSS IoT platforms on AWS (EC2) and DigitalOcean.
- Worked extensively with networking protocols including HTTP, MQTT, LoRa, and Bluetooth Low-Energy to implement a robust, remote IoT environment.
- Developed real-time workforce monitoring software to improve work-site safety for clients.

National University of Singapore
Teaching Assistant
- CS3230 Design & Analysis of Algorithms   *Aug 2020 - Present*
- CS1101S Programming Methodology I   *Aug 2019 - Present*
- CS2030 Programming Methodology II   *Aug 2019 – Dec 2019*

PROJECTS

Sudoku Solver   *Sep 2019*
- Python project that solves Sudoku puzzles in seconds.
- Modelled the problem as a constraint satisfaction problem and utilised Artificial Intelligence techniques.

Pathfinder   *May 2019 - Aug 2019*
- Pathfinder is an app designed to ease trip planning by automatically calculating efficient travel routes, developed under Orbital 2019, awarded highest achievement of Apollo 11.
- Developed using nodeJS with a custom implementation of Christofide's algorithm in JavaScript.

AWARDS

- Facebook Hack (First Place)   *Oct 2020*
- CodeIT Suisse Coding Challenge (First Place)   *Sep 2019*

SKILLS

- Experienced: Reactjs, Django, Python, JavaScript, Java, Git
- Familiar: NodeJS, AWS, Elasticsearch, MySQL, Nginx, C, C++

CO-CURRICULAR

- NUS Computing Chess Captain   *May 2019 - May 2020*