# Gabriel Yeo

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## EDUCATION

**National University of Singapore**                                                              **Singapore**
*BComp (Hons) in Computer Science GPA: 4.67/5.0*                      *Aug 2018 - June 2022 (Expected)*

## EXPERIENCE

**Jane Street Capital**                                                                    **Central, Hong Kong**
*Software Engineer Intern*                                                                    *May 2021 - Present*

**Sea Group**                                                                              **Galaxis, Singapore**
*Software Engineer Intern*                                                                 *May 2020 - Aug 2020*
- Created a full-stack Content Management System (CMS) in Django 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, a full changelog of features, custom indexing, OAuth integration, and permission control.
- Created a responsive help center website for SeaTalk in ReactJS.

**Tagvance**                                                                                    **Pier71, Singapore**
*Embedded Software Developer Intern*                                                         *May 2019 - Sep 2019*
- Developed real-time workforce monitoring software to improve work-site safety for clients.

**National University of Singapore**
*Teaching Assistant*
- CS2040 Data Structures & Algorithms                                                      *Jan 2021 - Apr 2021*
- CS3230 Design & Analysis of Algorithms                                                  *Aug 2020 - Dec 2020*
- CS1101S Programming Methodology I                     *Aug 2019 - Dec 2019 & Aug 2020 - Dec 2020*
- CS2030 Programming Methodology II                                                        *Aug 2019 – Dec 2019*

## RESEARCH & PROJECTS

**Heuristics for Vehicle Routing Problems**                                                 *Aug 2020- May 2021*
- Worked with Prof. Ooi Wei Tsang to formulate and develop a new temporal-overlap heuristic for the Multi-vehicle Covering Tour Problem with Time Windows (MCTPTW).
- Implemented algorithms from existing literature and our new algorithm in C++.

**TSTI-OCaml**                                                                                          *May 2021*
- Wrote a TypeScript implementation of the Hindley-Milner algorithm for type inference on OCaml.

## AWARDS

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

## SKILLS

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

## CO-CURRICULAR

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