

DORIAN ALEXANDER FONG

<https://dorianfong98.github.io/> • <https://www.linkedin.com/in/dorianfong/> • +65 98168444 • dorianfong@u.nus.edu •

EDUCATION

National University of Singapore, Bachelor of Engineering (Hons), *Computer Engineering* Aug 2019 – May 2023

Notable Academic Projects/Coursework:

- **CS2113T Software Engineering & Object-Oriented Programming** - CLIRcuit Assistant, a desktop app to implement and solve simple circuits, optimized for use via the Command Line Interface (CLI). Programmed using **Java** with strong emphasis on OOP. Applied skills necessary for software development from requirements, design, implementation, quality assurance, and project management aspects of multi-person software projects. Used test automation tools, build automation tools, and code revisioning tools.
- **CG1112 Engineering Principles and Practice II** - Alex, a search-and-rescue robot that can be navigated remotely. Built using **Raspberry Pi, Arduino, Lidar, with a TLS client-server setup, using C/C++**.

Special Projects:

- students.sg - Independent software engineering project under NUS SoC's highest "extreme" level:
 - **Node.js, Vue.js** and **Vuetify** on Front-end, as a single-page application and **Firestore** for the Backend
 - Built custom **Natural Language Processing (NLP)** model to filter toxicity/profanity for the student forum, based on Gated Recurrent Unit (GRU) neural network
 - Followed agile practices through working with industry mentor.

ACHIEVEMENTS

- **Awarded the \$10,000 grant** by I&E Practicum@SoC – NUS Computing (October 2020)
- TikTok Foundation Programme in Android Development (**Kotlin**)

WORK EXPERIENCE

Schneider Electric, IT Analyst Intern (Full-Time) Jul 2021 – Jan 2022

- **HTML/CSS/JS, ASP.NET, Excel VBA, Microsoft Azure, AWS, UiPath, Microsoft Power Automate, Tableau, Power BI**
- Worked with teams across the business to identify their digital needs and develop innovative solutions in the form of PoCs to optimize commercial performance and enhance end user experience. Collaborated with Schneider Digital team members to identify, develop and implement digital initiatives and PoCs to optimize IT operations.
- **Awarded Outstanding Intern of the Year (2021)**

JLL Technologies (JLLT), Software Engineer Intern (Full-Time) May 2022 – Present

- **HTML/CSS/JS, React.js, JSON, Azure DevOps Services, Workday Extend, Solidity and Python**
- Wrote Smart Contracts on the Ethereum Blockchain for possible future use in JLL Employee Offers and payroll.
- Developed a web application for Employee Time Tracking and Payroll Management and Integration for entire APAC region, and helped with requirements and requests for Workday PECO templates.

TECH STACK / SKILLS

- ✓ ASP.NET, Java, C, C++, Python, JavaScript, Angular, TypeScript, HTML, CSS, SQL, PostgreSQL, R, Golang, React.JS, Node.JS, Vue.JS,
- ✓ Database Systems, Data Structures and Algorithms, Software Engineering practices
- ✓ Computer Networks, Information Security, Computer Organization, and Database Systems Implementation
- ✓ Technical report writing, Software documentation