# Dorian Alexander Fong

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## WORK EXPERIENCE

**Jones Lang LaSalle Technologies (JLLT),** Software Engineer Intern (Full-Time)          **May 2022 – Present**

- **HTML/CSS/JS, React.js, Node.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.
- Develop web application for Employee Time Tracking and Payroll Management and Workday (HRMS) Integration for entire APAC region, and helped with requirements and requests for Workday PECI templates for Employee Compensation data.

**Schneider Electric (SE), 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**
- Collaborated with SE Digital team members, worked with teams across the business to identify and address digital needs by developing digital solutions in the form of PoCs to optimize commercial performance and/or enhance end user experience
- Awarded **Outstanding Intern of the Year** (2021)

## PROJECTS

**URL Shortener,** *Full-Stack Personal Software Project*          **Summer 2022**

- A URL Shortener application that converts long URLs into shorter ones.
- Built with **Python** and **Django,** with AJAX**.**

**Web Scraper application,** *Personal Software Project*          **Summer 2022**

- A Web scraper built to extract data from any web page quickly and accurately.
- Built with **JavaScript, Node.js**, and **Express, axios and cheerio dependencies for npm**.

**Map web application,** *Personal Software Project*          **Summer 2022**

- Web Map Application with functionalities nearly identical to that of Google Maps
- Built with **HTML/CSS/JS, and Mapbox API**

## 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, for use via the Command Line Interface (CLI). Developed with **Java**, and a strong emphasis on OOP. Applied skills necessary for software development from requirements, design, implementation, QA, test and build automation, code revision and project management aspects of multi-person software projects.
- 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 Academic-Related 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 **Firebase** 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)**

## TECH STACK / SKILLS

- ✓ Python, Java, C, C++, Python, JavaScript, Django, ASP.NET, HTML, CSS, SQL, PostgreSQL, React.JS, Node.JS, Vue.JS
- ✓ Database Systems, Data Structures and Algorithms, Software Engineering formal practices and documentation
- ✓ Computer Networks, Information Security, Computer Organization, and Database Systems Implementation