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Current Internship Availability: 08 May 2023 – 04 Aug 2023

## EDUCATION

Nanyang Technological University, Singapore	Aug 2020 – Nov 2023
Bachelor of Engineering (Computer Science)	
Temasek Polytechnic, Singapore	Apr 2014 – Apr 2017
Diploma in Computer Engineering	

## TECHNICAL SKILLS

- Programming: C#, C++, Dart, HTML & CSS, Java, PHP, Python, SQL, TypeScript
- Technologies: Docker Express.js Flutter, Git, jQuery, JWT, MySQL, NodeJS, PostgreSQL, ReactJS, Redis, REST, Socket.IO

## INTERNSHIP EXPERIENCE

<b>FoodLine.SG</b>	May 2022 – Dec 2022
<b>Full Stack Developer, Intern</b>	
Technologies used: HTML & CSS, Javascript, jQuery, MySQL, NodeJS, PHP, Redis, REST APIs, Socket.IO	
<ul style="list-style-type: none"><li>• Built software from the ground up for funds transfer from the company's bank accounts via FAST/Remittance as well as to receive notification for incoming payments.</li><li>• Improved existing subscription service to allow charging of customers through previous payment methods.</li><li>• General improvements to the website for both customers and staff including a multitude of optimisations for the existing codebase.</li></ul>	
<b>A*STAR I2R</b>	Apr 2016 – Sep 2016
<b>Software Developer/Researcher, Intern</b>	
Technologies used: HTML & CSS, Java, Javascript, jQuery, MySQL, REST APIs, Spring Framework, Websockets	
<ul style="list-style-type: none"><li>• Worked in a team of 4 to optimise call quality, speed and services over previous versions of the service</li><li>• Improved efficiency of JavaScript code on client's website to significantly reduce initial load times</li><li>• Created and maintained a MySQL database for ease of accessibility for archived chat logs and video recordings</li></ul>	

## PERSONAL PROJECTS

### Self-Driving Playground

*A web game where users train a driving neural network and compete with others.*

- Worked on the backend which is built with Express.js as the framework and postgres for the database
- Integrated JWT authentication to ensure user integrity when competing
- Implemented a Telegram bot to broadcast messages to users who are subscribed to an ongoing game

### NTUMods

*Developed a website for NTU students to retrieve module and venue information*

- Built several web scrapers to retrieve public information from NTU pages
- Primarily worked with the frontend component which was made using ReactJS
- Handled some of the backend which used Django as the framework and postgres for the database, allowing simple and robust data handling
- Wrote a dockerfile for a streamlined environment setup on a fresh machine

## AWARDS

• Hack&Roll 2022 Top 8	2022
<ul style="list-style-type: none"><li>• Worked in a group of 4 to develop a game where 2 players can create their own reinforcement learning model for a playable character to move and shoot targets.</li></ul>	