

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Aug 2020 – Present

- Bachelor of Computing in Computer Science (with Honours)
- Expected Date of Graduation: May 2024

Computer Science Modules Completed

CS1232S	Discrete Structures	CS2105	Introduction to Computer Networks
CS1010E	Programming Methodology	CS2106	Introduction to Operating Systems
CS2030	Programming Methodology II	CS2107	Introduction to Information Security
CS2040S	Data Structure and Algorithms	CS2109S	Introduction to AI and Machine Learning
CS2100	Computer Organisation		

PROGRAMMING LANGUAGES

Fluent in:

- Python, Java, React, HTML, CSS, JavaScript, Git

Also used:

- Arduino, AWS EC2, Bash, C, C++, Firebase, Heroku, MIPS, Ruby, Ruby on Rails, Xilinx Vitis-AI

WORK EXPERIENCE

DSO National Laboratories: Embedded Software Engineer Intern

May 2022 – Jul 2022

- Explored viability of classifying RF pulse using AI/ML algorithms on Xilinx MPSoC
- Deploy custom deep-learning model on Avnet UltraZed-EG with Vitis-AI APIs (Python/C++)
- Provided in-depth documentation to assist software team in future adoption of Vitis-AI
- Utilised Bash scripting to simplify workflow

Robert Bosch (SEA): Sales and Marketing Intern (AA/SSG)

Jan 2020 – Jul 2020

VOLUNTEER WORK AND PERSONAL PROJECTS

OTH4419 AI Primer Course: Student Volunteer

May 2022 – Jun 2022

- Assisted in setting weekly quizzes for the OTH4199 AI Primer Course organized by the NUS Centre for Computing for Social Good & Philanthropy (CCSGP)
- Beneficiary: Autism Resource Centre (Singapore)

TikTok Youth Camp 2022

May 2022

- Attended 10-day course on web and Android application development
- Created a Hangman web application using React framework as part of course deliverables

NUS Computing for Voluntary Welfare Organisations Assignment

Dec 2021 – Jan 2022

- Created a web application for managing task lists of workers
- React frontend with Ruby on Rails backend
- Basic authentication system to allow privilege escalation for "Boss" accounts

Personal Web-scraping Mini-projects

Dec 2020 – Jul 2021

- Utilised Python's Selenium and BeautifulSoup libraries in the following mini projects:
 - Scraped posting times of NUS LumiNUS forum posts to analyse for possible trends
 - Scraped hyperlinks of top 10 Google search results returned for a list of over 150 individuals