

# Khairul Iman

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## EDUCATION

### NUS

#### COMPUTER ENGINEERING

Second Major in Innovation and Design

Expected May 2022

CGPA: 4.07

## LINKS

Github: @namiwa

LinkedIn: Khairul Iman

Website: khairuliman.com

## SKILLS

### PROGRAMMING

Proficient:

- JavaScript • Python
- Java • C/C++
- Dart

Familiar:

- MySQL • Matlab
- Verilog • Assembly
- CSS

## SOCIETIES

- iDP Student's Club, Dept. Head
- NUS Investment Society, Test Engineer
- Developer's Student Club, Web Developer

## EXPERIENCE

### SELLGO | FULL STACK ENGINEERING INTERN

Jan 2021 - Present | NUS Overseas College, Silicon Valley

- Created new data collection pipelines in Python, using Scrapy and MongoDB
- Implemented new REST Endpoints using Django, FastAPI and Postgress
- Implemented Docker Containerization for scalable deployment

### NUS INFORMATION TECHNOLOGY | PROJECT INTERN

Dec 2020 - Jan 2021 | Full-time

- Delivered the automation project, migrating the backend from Django to Flask.

Aug 2020 - Dec 2020 | Part-time

- Extending the network automation project, attempting to automating calling Ansible Playbooks from a web application.

May 2020 - July 2020 | Full-time

- Working on a network automation project, attempting to optimise network provisioning for remote sensors to researchers on the campus network

Feb 2020 - Apr 2020 | Part-time

- Improved prototype dashboard UI, and converted the previous 2 tier architecture to a 3 tier architecture to improve security and scalability

Dec 2019 - Jan 2020 | Full-time

- Developed a prototype network sensor using a Raspberry Pi, Raspbian OS and Linux Networking Utilities
- Integrated wireless data collected to a web dashboard built using React.js, Redux.js and Express.js

### NUS - CG2271 | LABORATORY TEACHING ASSISTANT

Aug 2020 - Dec 2020 | Part-time

- Assisting in conducting weekly laboratory teaching sessions
- Provided ad-hoc support to module coordinator for administrative activities

## PROJECTS

### STARTUP PROJECT | CANDER.IO

June 2021 - Present

Working with 3 other passionate individuals, we attempt to launch a gamified dating app, basing of Mayers-Briggs personality matching. View more at Cander.io

### IDEATE 2020 | HACKATHON ORGANISING COMMITTEE

Aug 2020

As the Outreach and Development Head, I oversaw external engagement activities for students under the Innovation and Design Second Major. Organised the club's first online hackathon, seen here.

### EG3301R - ASI-304 | APPLYING AI AND ML TO SATELLITE DATA

Jan 2020 - Dec 2020

Currently working with a team of 4 developers to explore implementation with Tensorflow. The frontend and backend source code is hosted on GitHub.

## AWARDS

|      |                       |   |
|------|-----------------------|---|
| 2020 | Funding Awarded       | Innovation & Enterprise Practicum School of Computing                 |
| 2020 | Award Granted         | Association of Muslim Professionals STEM 2 <sup>nd</sup> Chance Award |
| 2019 | 1 <sup>st</sup> Place | ComfortDelgro Hackathon Move-in-Please 2019                           |