

Khairul Iman

(65) 9832-6222

khairul.nasri895@gmail.com

<https://github.com/namiwa>

<https://www.linkedin.com/in/namiwa>

EXPERIENCE

Ruckus Wireless, CommScope, Singapore - *Software Engineer*

July 2022 - Present

- Contributed to active **React.js** & **TypeScript** frontend monorepo
- Set up deployment pipeline with **CircleCI** for frontend service
- Gained exposure to **Docker & Kubernetes** for scalable deployment

National University of Singapore, Singapore — *Lab Teaching Assistant*

Jan 2022 - Apr 2022 (Part-time), Aug 2020 - Dec 2020 (Part-time)

- Mentored students to design and build a maze clearing robot with **RTOSv2** and embedded programming on the **ARM-M0+** processor

Sellgo, Silicon Valley — *Fullstack Engineering Intern*

Jan 2021 - Dec 2021 (Full-time), Jan 2022 - Feb 2022 (Part-time)

- Built extendable web scrapers in **Scrapy**, along with designing a **MongoDB** database to scrape at a speed of over a **million pages a day**
- Designed **data visualization** with **D3.js**, **Django** & **Postgres**, working with a dataset size of **100GB+**

NUS Information Technology, Singapore — *Project Intern*

Dec 2019 - Dec 2020 (Combination of Full-time & Part-time)

- Prototyped a **low-cost** network health sensor using **Raspberry Pis**, which is able to detect fluctuations in **Wi-Fi** strength from **5-10 meters**
- Prototyped a **Flask**, **MySQL**, **Ansible**, **Cisco ISE** backend to provision internet to campus **IoT devices**

EDUCATION

National University of Singapore, Singapore — *Computer Engineering*

Aug 2018 - May 2022

Second Major in Innovation & Design, with entrepreneurial exposure gained from the Overseas College (Silicon Valley). Headed Outreach & Development IDP Student's club.

University of Stanford, California, USA — *Entrepreneurial Courses*

Jan 2021 - March 2021

Undertook entrepreneurship courses as part of the NUS Overseas College program.

SKILLS

Python, Typescript, JavaScript, Git, Docker, HTML, CSS, C++, C, Java, Rust, Verilog, SQL, BigQuery, CircleCI, Kubernetes, Office Suite

AWARDS

ComfortDelgro Hackathon 2019

1st place team winner, pitched improvements to current SBS buses.

Philip Yeo Grant

Won a \$5K grant for building startup and living expenses for NOC

Innovation & Enterprise Practicum

Won a \$10K SGD grant for pitching a household waste tracking app

LANGUAGES

English, Malay, Bahasa (Basic)

PROJECTS

khairuliman.com

Personal blogging site built with Gatsby.js & deployed on [Netlify](#)

[TinyCompiler in Rust](#)

Attempt to build a small c-subset compiler in Rust, along with graphics explorations with C++ & OpenGL.