

Ravern Koh

Software Engineer

Experience

January 2019 - August 2019

TenX, Software Engineer, Singapore, <https://tenx.tech>

- Worked part-time while studying, to build performance critical backend microservices in Rust and Nix
- Did some major refactoring on a old Rust service to make it production-ready

August 2018 - December 2018

FireVisor, Software Engineering Intern, Singapore, <https://firevisor.com>

- Built camera calibration and image processing tools using Python and OpenCV, which are used to process ~4 million solar cells every month
- Owned, architected and developed a web platform in Angular, for process engineers to gain useful insights into their manufacturing data

January 2017 - April 2017

Codigo, iOS Developer Intern, Singapore, <https://codigo.co>

- Built in-house products like SwimToFly (<https://apple.co/2FhEPFA>), an app that teaches users how to swim, and AskSteve, for interactive polls

February 2018 - February 2019

Overflow, Technology Head, Singapore, <https://np-overflow.club>

- Co-led a programming interest group in school
- Grew membership from 7 to 30 people within the first 2 months
- Conducted workshops that taught participants the Python and Go programming languages

Education

April 2017 - April 2020 (expected)

Ngee Ann Polytechnic, Information Security and Forensics

- Achieved 4.0 out of 4.0 cumulative GPA so far
- Placed on the Director's List since the first semester

Projects

September 2015 - March 2017

KKH Paediatrics Anaesthesia Handbook, <https://apple.co/2UEcbDH>

- Digitised a handbook for Paediatric Anaesthesiologists in KK Women's Hospital to refer to
- Created interactive features like a drug dosage calculator and an age-based BMI calculator.

June 2018

Jabba, <https://jabba.ravernkoh.me>

- Link shortener with extra features like Google authentication and password protection, written using Go and BoltDB
- Created it after someone I followed on Twitter complained about the lack of said features on existing platforms

April 2018 - May 2018

Scales, <https://scales.ravernkoh.me>

- A scales generator without repetitions, created to help my friend practice for his piano exam

Links

Email

ravernkoh@gmail.com

GitHub

github.com/ravernkoh

LinkedIn

linkedin.com/in/ravernkoh

Blog

ravernkoh.me

Skills

Programming

JavaScript, TypeScript, Python, Ruby, Rust, Go, Swift, Elixir

Frameworks & Tools

React, Angular, OpenCV, Ruby on Rails, Node.js, Express, TypeORM

Software & Methodologies

Linux (Ubuntu, Arch, Kali), GitHub, Slack, Git Flow, CI/CD, Scrum,

Achievements

Gold, Cybersecurity, WorldSkills Singapore

CompTIA Security+ Certification

Merit Award, iCode 2015

Miscellaneous

Plays Ultimate Frisbee and soccer recreationally, looking to get into climbing

Plays the guitar (acoustic, classical)

Used to do a lot of origami to pass the time