

Haoping Ku

haopingku@gmail.com
<https://haopingku.github.io>

EXPERIENCE

Indeed, Tokyo

Jun 2019 – present

Software engineer, metadata integration team

- Full-stack development of autocomplete in search box (React & JAVA).
- Maintained Indeed's metadata service (JAVA).
- Implemented cache to reduce the server response time from 6ms to 1.5ms.

Cobinhood, Taipei

Mar 2018 – Feb 2019

Backend engineer

- Backend development of cryptocurrency exchange (Golang).

Blockchain developer

- Blockchain research and simulation (Ruby).
- Implemented DEXON blockchain consensus algorithm (Golang).

Trend Micro, Taipei

Jun 2017 – Mar 2018

Software engineer, antivirus sandbox team

- Anti-virus scanning engine development and rule tuning (C++).
- Designed automatic virus scanning process (Ruby).
- Handled customer scanning report.

Mandatory Military Service

Feb 2016 – Feb 2017

Gyro Systems, Hsinchu

Oct 2015 – Feb 2016

Firmware engineer, wearable device team

- Designed product "Smart Ring" (BLE, ARM & C / C++).
- Developed data processing of indoor positioning system (Ruby).

EDUCATION

Osaka University, Japan

Sep 2014 – Sep 2015

- Exchange Student in Computer Science
- Hagihara Laboratory

National Tsing Hua University, Taiwan

Sep 2011 – Sep 2015

- Bachelor of Science (Physics)
- Elite Scholarship from Ministry of Education, Taiwan

PROGRAMMING SKILL

C / C++ / Assembly (familiar)

- Familiar with x86 reverse engineering and hacking tools

Ruby / Ruby on Rails (familiar)

- Website development (Rails), Yahoo hackathon, 2015

Python, Go, Java, Javascript / Typescript (familiar)

- Work experience

Web (frontend & backend)

- React, React Hooks, Typescript, GraphQL (Apollo)
- Redis, PostgreSQL, Docker, Kubernetes
- Online shop website (React Hooks & NodeJS), 2020
- Commercial news website (PHP Joomla), 2016

LANGUAGE PROFICIENCY

Chinese: Native

English: Fluent (TOEIC Gold Certificate)

Japanese: Fluent (JLPT N1)

ACTIVITIES

Information Security learning material *May 2018*

- Designed online learning material for government academy.

Guest Speaker, HITCON (Hacks in Taiwan Conference), Taipei *Jul 2016*

- Speech in the largest cyber security conference in Taiwan.

Top 6% team rank, HITCON CTF Competition *Oct 2015*

- One of the largest cyber security competitions in the world.

2nd Place in Chiao Tung University Hackathon, Hsinchu *Feb 2014*