

Haoping Ku

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<https://haopingku.github.io>

EDUCATION

Osaka University, Japan *Sep 2014 – Sep 2015*

- Exchange Student in Computer Science
- Hagihara Laboratory

National Tsing Hua University, Taiwan *Sep 2011 – Sep 2014*

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

EXPERIENCE

Indeed, Tokyo *Jun 2019 – present*

Software engineer, search quality, autocomplete team

- Full-stack autocomplete development using React/Redux, JAVA
- Integration test using Python
- 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 using Go
- Introduced penetration testing tool using Python

Blockchain developer

- Blockchain research and simulation using Ruby
- Implemented DEXON blockchain consensus algorithm using Go

Trend Micro, Taipei *Jun 2017 – Mar 2018*

Software engineer, antivirus sandbox team

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

Mandatory Military Service *Feb 2016 – Feb 2017*

Gyro Systems, Hsinchu *Oct 2015 – Feb 2016*

Firmware engineer (intern), wearable device team

- Developed product “Smart Ring” (BLE, 3-axis on ARM) using C

- Data processing of indoor positioning system using Ruby

PROGRAMMING SKILL

C / C++ / Assembly (familiar)

- Familiar with x86 reverse engineering and hacking tools

Ruby (familiar) / Rails (some experience)

- Website development using Rails, Yahoo hackathon, 2015

Python, Go, Java, Javascript (familiar)

- Work experience

Frontend & Backend

- React, Redux
- Redis, PostgreSQL, Docker, Kubernetes
- Designed commercial news website using PHP (Joomla), 2016

Relative Skills

- Git, Haskell, SQL, CUDA
- blockchain, cryptography, discrete mathematics

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*