

# Haoping Ku

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

## EDUCATION

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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

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Indeed, Tokyo *Jun 2019 – present*

software engineer, search team

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

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### 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 (familiar)

- Work experience

### Frontend & Backend

- Redis, PostgreSQL, Docker, kubernetes
- Basic knowledge of web frontend
- Designed commercial news website using PHP (Joomla), 2016

### Relative Skills

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

## LANGUAGE PROFICIENCY

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Chinese      native

English     fluent (TOEIC Gold Certificate)

Japanese    fluent (JLPT N1)

## ACTIVITIES

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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 infosec conference in Taiwan

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

- One of the largest infosec competitions in the world

2<sup>nd</sup> Place in Chiao Tung University Hackathon, Hsinchu *Feb 2014*