

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 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

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

Chinese	native
English	fluent (TOEIC Gold Certificate)
Japanese	fluent (JLPT N1)

ACTIVITIES

Information Security learning material	<i>May 2018</i>
<ul style="list-style-type: none">• Designed online learning material for government academy	
Guest Speaker, HITCON (Hacks in Taiwan Conference), Taipei	<i>Jul 2016</i>
<ul style="list-style-type: none">• Speech in the largest cyber security conference in Taiwan	
Top 6% team rank, HITCON CTF Competition	<i>Oct 2015</i>
<ul style="list-style-type: none">• One of the largest cyber security competitions in the world	
2 nd Place in Chiao Tung University Hackathon, Hsinchu	<i>Feb 2014</i>