

ChiPao(Stanley) Hong

Master Student in Computer Science

Currently completing a master degree at Purdue University in Computer Science. I have more than 9 years of experience in Software Engineering. My passion lies in Algorithm design and Network Security.

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WORK EXPERIENCE (MOST RECENT)

Security Software Engineer Intern Nvidia Corp.

05/2019 – 08/2019

Santa Clara, CA

Achievements/Tasks

- Developed and designed secured signing server to handle high frequent requests
- Enhanced the performance of micro codes run on GPUs
- Hardware level debugging and problem shooting

Software Engineer SEA Group Ltd.

02/2018 – 08/2018

Taipei, Taiwan

Achievements/Tasks

- Developed backend webserver (Python-Django, PHP-Laravel) and frontend web view at millions of users scale
- Designed and created a secured database for game promotion events and money transfer between games and legal currency
- Accelerated request per second of a gaming API by 20%

Software Engineer Intern Yahoo! Inc.

07/2016 – 09/2016

Taipei, Taiwan

Achievements/Tasks

- Designed an algorithm to retrieve keywords of a product, decreased half of steps for consumers to find product
- Analyzed Product description and perform product similarity comparison based on product description
- Formulated new UI/UX of Android App, which was adopted in real product

HONOR AWARDS (MOST RECENT)

First Place in Programming Competition

Bloomberg Inc.

First Place in Android Game App Hackathon

Akatsuki Inc.

Third Place in Gaming Keyboard Hackathon

Logitech Inc.

Top Seven, Eight and Ten in ACM-ICPC Competition

ACM (Association for Computing Machinery)

First Place in Annual Competition

National Chiao Tung University

SKILLS

Security

C/C++

Networking

Algorithm Design

Machine Learning

Python

HTML

Javascript

Data Structure

Android

Java

Git

Perforce

PERSONAL PROJECTS

Cryptocurrency Transaction System (01/2019 – 05/2019)

- We use Deep Learning to train time series data, and then conduct trading action based on a smart trading algorithm. Gained 10% total value of cryptocurrencies within two weeks based on the simulation result

Email Tracker (09/2018 – 12/2018)

- A chrome extension which can track the email sent by users. It will notify the sender if email was opened
- Backend Server built with Python(Django), Frontend Extension written in Javascript

EDUCATION

Master of Science in Computer Science Purdue University

07/2018 – 12/2019

West Lafayette, IN

Courses

- Security
- Algorithm

Bachelor degree in Computer Science National Chiao Tung University

09/2013 – 06/2017

Taipei, Taiwan

Courses and Work Experience

- Bachelor's Thesis: Electronic Receipts Inspector, a project which discover and patch security vulnerable of Ministry of Finance
- Bachelor's Thesis 2 : Android Security, a project which detects malicious payload pass through binder

Exchange Program in Computer Science Linköping University

01/2016 – 06/2016

Linköping, Sweden

Courses

- Network Security
- Database