Po-Hsiang Hao (Jonathan)

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EXPERIENCE

Mozilla (Taipei, Taiwan)

Senior Software Engineer, February 2017 - Present

Software Engineer, September 2014 - January 2017

- Implemented cache isolation for various network protocols in Firefox, which is vital for the Containers feature and the First Party Isolation feature in the Tor Uplifing Project
- Created a tool to sign Firefox OS packages and also implemented the verification logic
- Maintained the RTSP module in Firefox OS

Google (Taipei, Taiwan)

Software Engineer Intern, Summer 2013

- Enhanced JsCIN, a Chrome extension for Chinese input methods, by enabling users to backup and import CIN tables from Google Drive

Cardinal Blue Software (Taipei, Taiwan)

Developer Intern, Summer 2012

- Maintained the backend server (Ruby on Rails) and the internal pages for statistics

EDUCATION

National Taiwan University (Taipei, Taiwan)

M.S. in Electrical Engineering, Fall 2012 - Sprint 2014

- Designed an embedded language in **Haskell**, which can be used to program and generate instructions for a chip made by other people in my lab for cryptographic computations

B.S. Double Major in Electrical Engineering and Mathematics (GPA 3.9/4.3), Fall 2008 - Spring 2012

PROJECTS

A Chinese Dark Chess AI using alpha-beta pruning and a heuristic evaluating function
Placed 1st in class with 9 wins, 1 loss and 2 draws

Foodle Taiwan: wrote a Ruby crawler to get and parse restaurants data from the biggest BBS site in Taiwan, and use Google Maps API to search restaurants based on criteria such as price and distance.

SKILLS

Programming Languages: C++/JavaScript/Python/Ruby/SQL/Haskell
English: Professional proficiency (TOEIC 990/990)

EXTRACURRICULAR ACTIVITIES

Programming Contests: **Google Code Jam** Round 3 twice, and **Distributed Code Jam** Round 2 once
Math: Won the Silver Award in **International Mathematical Olympiad (IMO)** 2008
Bridge: Won the Youth Teams event of Asia Bridge Open Congress in 2010