

Hsiu-Yu Huang

Room 908 · 500 Riverside Drive · New York · NY10027

Mobile: 1-917-213-8151 · Email: hh2360@columbia.edu

OBJECTIVE

Seeking for an interesting and challenging role in software development as an entry level programmer

EDUCATION

Columbia University, Fu Foundation School of Engineering and Applied Science

MS in Computer Science, Computer Security Track

New York, NY

Expected May 2010

National Chiao Tung University

BS in Electronics Engineering

Hsinchu, Taiwan

June 2005

SKILLS

- Operating System: MS Windows XP, MS Windows Vista, Linux Ubuntu, Sun Solaris, Android
- Programming Languages: C, C++, Java, Perl, Lisp, OCaml, Javascript, Bash Shell
- Web Development: DHTML, AJAX, CGI programming, PHP, XML
- Database Experience: Oracle, SQL
- Application Software: SVN, Git, LaTeX, Vim, Eclipse, Apache Server

WORK EXPERIENCE

National Chiao Tung University

Teaching Assistant, Department of Electronics Engineering

Hsinchu, Taiwan

August 2007 – July 2008

- Gave lectures on basic microelectronics and the usage of electronic devices (transistors, resistors, capacitors, inductors, etc.)
- Demonstrated the usage of lab electronic equipments – oscilloscope, breadboard and power supply
- Gave instructions to undergraduate students about doing electronic experiments and projects

Hsinchu County Government

Substitute Military Services

Hsinchu, Taiwan

August 2005 – November 2006

- Provided administrative service to Substitute Services Draftees of Hsinchu County
- Coordinated events for Substitute Services Draftees
- Coordinated events for Po-Ai Junior High School
- Supervised fifteen Draftees

RELATED COURSEWORK

- | | |
|---|-------------------------------|
| ● Operation Systems I | ● Topics in Software Security |
| ● Security Architecture and Engineering | ● Network Security |
| ● Programming Languages and Translators | ● Computer Networks |
| ● Artificial Intelligence | ● Advanced Database Systems |

PROJECT EXPERIENCE

Columbia University

SmartQuery (in Java)

New York, NY

February 2010

- An information retrieval system using Yahoo! BOSS API
- Providing relevance feedback with users
- Implementation of vector space model to represent documents

Hsh (in C)

August 2009

- Hank Shell – a customized shell with useful builtin commands
- Implemented pipeline and I/O redirection

ISOLATION (in C++)

April 2009

- A simple board game with AI engine built in
- Played by one or two players on a local machine

CRYPS (in OCaml)

September 2008

- Designed a small language (CRYPS) for writing cryptographic operations with ease
- Implemented a front-end compiler for CRYPS

PERSONAL PROFILE

My personal interests including photography, playing table tennis and travel. I can speak both English and Mandarin fluently.