Hsiu-Yu Huang

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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   **New York, NY**
MS in Computer Science, Computer Security Track   Expected May 2010
National Chiao Tung University   **Hsinchu, Taiwan**
BS in Electronics Engineering   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
- Database Experience: Oracle, SQL
- Application Software: SVN, Git, LaTeX, Vim, Eclipse, Apache Server

WORK EXPERIENCE

National Chiao Tung University   **Hsinchu, Taiwan**
Teaching Assistant, Department of Electronics Engineering   August 2007 – July 2008
- Gave lectures on basic microelectronics and the usage of electronic devices (transistors, resistors, capacitors, inductors, etc.)
- Demostated 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   **Hsinchu, Taiwan**
Substitute Military Services   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
- Security Architecture and Engineering
- Programming Languages and Translators
- Artificial Intelligence

- Topics in Software Security
- Network Security
- Computer Networks
- Advanced Datatbase Systems

PROJECT EXPERIENCE

Columbia University   **New York, NY**
SmartQuery (in Java)   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. My personal homepage is: http://www.cs.columbia.edu/~hh2360/