Hsiu-Yu Huang

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OBJECTIVE

Looking for a challenging and talented role in managing servers and computer networks as an entry level System Administrator.

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

- Installation of software and hardware
- Scripting in Perl and Bash
- Programming in C, C++ and Java
- Working knowledge of HTML, CSS, Javascript, AJAX and PHP
- Experience with Apache Web Server
- Experience with Oracle RDBMS
- Working under UNIX/Linux and Windows environments
- Network Programming in C and Java
- Hacking Linux kernel 2.6.x

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.)
- Demostrated 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

- Advanced Datatbase Systems
- Operation Systems I
- Security Architecture and Engineering
- Topics in Software Security
- Network Security
- Computer Networks

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++)   July 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/