Jack Lam

Profile

Object-oriented programmer with skills in leading teams to solve critical problems in a timely manner using appropriate tools. Experience with troubleshooting hardware and software in complex systems.

Technical Skills

Languages	Java, C, Python, MySQL,
Tools	Eclipse, Visual Studio 2008, Visual Studio 2010
Hardware	Dell, Laptops, Routers, Switches, Cabling, Motherboards, Memory, Peripheral Tape Backups, Network Cards
Platforms	Windows XP, Vista, 7, CentOS, Ubuntu

Projects

- Automatic Music Sheet Translation
  - Built system to perform Optical Music Recognition to translate physical music sheets into virtual music sheets.
- Online Batch Scheduling Simulator
  - Built system to simulate high performance computing nodes with various batch scheduling algorithms.
- Proxy for electronic resources
  - Created scripts and database to handle Squid proxy authentication for users connecting to the university's library electronic resources.
  - Created authentication webpage utilizing PHP and CAS.
- IP and MAC address database
  - Created scripts to collect active IP and MAC address information across a network into a database.

Experience

August 2013– Present   University of Hawaii at Manoa   Honolulu, HI

Graduate Teaching Assistant

- Create and review material with undergraduates in class weekly for topics in Discrete Mathematics.
- Tutor undergraduates who need additional help.

October 2008 – August 2013   University of Hawaii at Manoa   Honolulu, HI

Computer and Network Support Specialist Student Aid

- Install, troubleshoot, and maintain computers running Windows, Mac OS, and Linux.
- Install and troubleshoot of network equipment, including hubs, switches and servers.
- Inventory of all computer related equipment.

Education

August 2013 - Present   University of Hawaii at Manoa   Honolulu, HI

Computer Science, MS, expected May 2016

Human Computer Interaction, Computer Vision, High Performance Computing, Algorithms

(808)384-4510•jacksy@hawaii.edu

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| August 2008 - May 2013 | University of Hawaii at Manoa | Honolulu, HI |

Computer Science, BS

Human Computer Interaction, Data Storage and Retrieval, Operating Systems, Network Security, Computer Security Ethics, Algorithms, Philosophy of System Design, Video Game AI

References

References are available on request.