Guangyuan (Thomas) He

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OBJECTIVE

- Seeking for an entry-level full time position that involves software / website development with my experience in database system, drupal content management system and computer vision.

EDUCATION

The George Washington University   **Washington, D.C.**
Master of Science in Computer Science   January 2014
- **Overall GPA:** 3.74 / 4.0
- **Relevant Coursework:** Advanced Data Structures, Design and Analysis of Algorithms, Computer Architecture

University of Science and Technology Beijing   **Beijing, China**
Bachelor of Science in Computer Science   June 2012
- **Major GPA:** 87 / 100

WORK & LEADERSHIP EXPERIENCE

Kuntin Technology Corporation   **Washington, D.C.**
Application Developer Intern (Part time)   September 2013 – November 2013
- Collected business requirements for applications.
- Wrote application use case.
- Setup Drupal site, created views, installed modules

University of California, Santa Barbara   **Santa Barbara, California**
Visiting Student, Computer Science Department   September 2010 – June 2011
- Took undergraduate level computer science courses.
- Selected Project Experience:
  - Design and Implement a Processor
    - Implemented a fully functional processor that can execute some MIPS instruction in Quartus.
    - Wrote Verilog to simulate the design of fetch unit, decoder and datapath in Modelsim Altera.
  - Application of Self-Organizing Map (SOM) in MPI and Cilk
    - Coded the SOM algorithm in two parallel programming languages MPI and Cilk.
    - Processed a census dataset from the machine-learning repository of UC Irvine in R.
    - Predicted the trend based on the training data and verified the prediction.
  - Bank Account Management System
    - Coded the system within the Oracle DBMS environment in Java.
    - Utilized Hibernate to operate database data.
    - Used JSP and Struts to demonstrate the user interface.

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in Chinese
Technical Skills: Java, C++, PHP, Shell Script, Matlab, SQL
Interests: Playing Tennis