Hang (Sirius) Gu

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EDUCATION

University of Michigan, Ann Arbor, MI   Expected: *M.S.E.* 05/2012
B.S.E in Computer Science Engineering   **GPA   3.76/4.00**
Course Highlights:
·   Advanced Object-Oriented Programming   ·   Data Structures & Algorithms
·   Computer Security   ·   Operating Systems
·   Computer Organizations   ·   Artificial Intelligence

EXPERIENCE

Amazon.com, Seattle, WA   07/2010-present
Software Developer- Intern , Web Application Platform
 • Migrated old data processing jobs to Hadoop cluster.
 • Created a self-service web application, including front-end UI and back-end service.
 • Gained experience in server-client communication, Amazon S3, and distributed system.

Epic Systems Corporation, Madison, WI   06/2009-08/2009
Software Developer- Intern , Analytics Team
 • Developed VB application for hospital administration.
 • Involved in all development circles – analysis, design, coding, QA, documentation.

RoboCup Project, Ann Arbor, MI   01/2009-present
Team Lead, University of Michigan Student Artificial Intelligence Laboratory
 • Develop Java codes focused on behavior module at this moment.
 • Simulate and test the Nao robot in Webots Stadium environment.

Game Design Project, Wolverine Soft, Ann Arbor, MI   09/2008-present
Programmer, Artist
 • Develop games using Zenilib game engine, working on team projects.
 • Finished project Plumber, available for downloading on *WSoft website*.

Percolation Simulation Research Project, Ann Arbor, MI   09/2007-present
Research Assistant, Prof. Ziff laboratory, Department of Chemical Engineering
 • Develop efficient algorithms to simulate percolation threshold problems.
 • Test codes, collect and analyze data from simulation results, and release on *website*.
 • Co-authored papers for publication in *Physical Review E*.

HONORS

CSE Scholars, since 2008
Dean's Honor List, since 2008
College of Engineering Need and Merit Scholarship, 2008-09
Junior Scholar Award, 2008-09

Leadership/ Teamwork

Wolverine Soft (*Game Design*), Event Coordinator
MSAIL(AI), RoboCup, Team Lead
APRIL Lab(AI), MAGIC 2010, Testing Coordinator
College of Engineering Mentorship Program, Mentor

COMPUTER SKILLS

Languages: C/C++, Java, VB, Matlab, knowledge of JavaScript, MySQL , Verilog, XML

Software: Visual Studio, Eclipse, 3DSMAX, System Security & Maintenance

Languages

Fluent in Mandarin and Japanese.