

Ian Johnson

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Education

Florida State University
B.S. Applied Mathematics
B.A. Chinese Language
GPA: 3.63/4.00

Research

- Real Time Particle Systems for educational games including interactive fluid simulations
- General Purpose GPU programming
- OpenCL tutorials featured on the Khronos.org tutorial website

Work Experience

Teacher Assistant Aug. 2009 - Present

- Introduction to Web Design
- Introduction to Game and Simulator Design, two semesters

Geographic Information Systems and Web Programmer

Oct. 2003 - Aug. 2009

Florida Resources and Environmental Analysis Center

- Designed and implemented an infrastructure for creating web services that give access to spatial data and spatial queries
- Led a team of developers deploying web mapping applications for clients
- Contributed with team to the open source project we use, OpenLayers.org

Resident Assistant

June – Aug. 2007

Study Abroad in China, Florida State University

- Assistant to the program director
- Translator and guide for the 60 students in the program
- Escort students to the hospital, post office and train station
- Configured internet service for the students
- Organized a traditional Chinese Calligraphy class by hiring a calligrapher

Leadership

- Founder and President of Chinese Language and Culture Association, FSU
 - * Brought together Chinese and American students for educational and social events
- Director of the Asian American Student Union, FSU
 - Lead a team of students to coordinate multi-cultural events
 - Managed a \$25,000 budget

Skills

Language: English (fluent), Dutch (fluent), Mandarin (conversational)

Computing: Linux, Windows, OS X

Programming: Python, C++, Java, OpenCL, OpenGL

Tools: Amazon Web Services, Apache, PostgreSQL