Max Espinoza

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OBJECTIVE

I aspire to work in a collaborative team designing and developing software products that solve real world problems through the innovative use of technology.

EDUCATION

PhD, Computer Science
Rensselaer Polytechnic Institute, Troy, NY, expected May 2017
Current GPA: 3.56

Bachelor of Science, Computer Science and Mathematics
Fairfield University, Fairfield CT, 2013
Graduated GPA: 3.66

COMPUTER SKILLS

Languages (Expert): C++ and Java
Languages (Medium): Python, JS, Php, C, Obj C, and Español
Frameworks & Tools: OpenGL, WebGL, GLSL, Linux, Arduino Controllers

EXPERIENCE

RPI Computer Graphics Research September 2013–Present
Advisor: Dr. Barbra Culter

- Implemented and continued work on a web based application to aid architects in the design of rooms with maximal natural daylighting
- Presented and analyzed the latest graphics research paper to fellow colleges and researchers
- Researching architectural acoustics visualization and simulations to to be incorporated into previous daylighting simulation framework

Fairfield University Business Plan Competition Feburary 2013–May 2013

- Developed iPhone applications to communicate through Bluetooth channels to Arduino microcontrollers.
- Used strong communication skills to find mentors and contacts in the field of project management, engineering, manufacturing, and business.
- Worked in a collaborative team project to develop a prototype consumer product along with a formal business plan and intention to patent

National Science Foundation, BioGrid REU Fellows June 2012–August 2012

- Familiarised with motif detection software with a focus on randomized network generation algorithms
- Analyzed and Surveyed graph randomization methods and the topologies preserved from original networks.
- Presented on research and results in the 2012 REU Summer Symposium at the University of Connecticut

Awards

Research Assistantship Award	2014–2015
Computer Science Department Award	2013
Fairfield University Business Plan – Finalist	2013
Fairfield University Business Plan – Startup Day Winner	2013
BioGrid REU Fellowship Award – National Science Foundation	2012
Pi Mu Epsilon (National Honors Mathematics Society) Member	2012
Christopher Blake Love Award	2012