

## MAX ESPINOZA

<http://espinm2.github.io>

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### EDUCATION

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#### **Rensselaer Polytechnic Institute**

*Expected May 2018*

PhD in Computer Science

Current GPA: 3.68

Passed Core Qualifying Exam

#### **Fairfield University**

*May 2013*

Bachelor of Science in Computer Science and Mathematics

Graduated GPA: 3.66

### EXPERIENCE

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#### **Rensselaer Polytechnic Institute**

May 2014 - Present

*Lead Research Assistant (Advisor: Dr. Barbara Culter)*

*Troy, NY*

- Developed a web based application to aid architects in the design of rooms with maximal daylighting
- Lead team meetings and oversaw the development of our daylighting web application.
- Researching architectural acoustics visualization and simulations to be incorporated into daylighting simulation framework

#### **Pitney Bowes**

May 2015 - August 2015

*Software Engineer Intern (Supervisor: Ticia McGean)*

*Troy, NY*

- Oversaw and coordinated project task and goals as Scrum Master with remote team in Noida, India for the 64bit release of MapInfo Professional 15.
- Familiarized with Agile Project Management and Atlassian Tools, including Jira, Crucible, and Confluence.
- Utilized Integrated Building System such as Teamcity in addition to SVN for version and revision control
- Implemented Coded UI Test for the automated testing of new features.

#### **Fairfield University Business Plan Competition**

February 2013 - May 2013

*Lead Developer (Mentor: Joyce D. Brown)*

*Fairfield, CT*

- Developed iPhone application 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

### TECHNICAL STRENGTHS

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#### **Languages (Adept)**

C++ and Java

#### **Languages (Proficient)**

Python, JavaScript, PHP, C#, Obj C, Spanish

#### **Tools & Frameworks**

OpenGL, WebGL, GLSL, Linux, Coded UI, Arduino

### AWARDS

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*Computer Science Department Award*

2013

*Fairfield University Business Plan – Startup Day Winner*

2013

*Pi Mu Epsilon (National Honors Mathematics Society) Member*

2012