Paul Revere, IV

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Education

Rensselaer Polytechnic Institute
Graduating May 2017
Bachelor of Science in Computer Science, Minor in Economics
GPA: 3.2

Experience

Rensselaer Polytechnic Institute
Scientific Computation Research Center (SCOREC)
Undergraduate Researcher
September 2015 - Present
- Currently working on a series of improvements for finite element analysis mesh generation software in C++.
- Goal is to make files for unstructured meshes more condensed and more easily managed.
- Creating a compressor with matching decompressor for mesh visualization files.
- Developing a system to allow for simultaneous writing of output files in massively parallel environments.

Bechtel Marine Propulsion Corporation (BMPC)
Knolls Atomic Power Laboratory (KAPL)
Technical Intern
June 2015 - August 2015
- Worked on a confidential project for the United States Navy and United States Department Of Energy.
- Contributed to a large scale Java project used to reduce the input size for a scientific computing application.
- Implemented logic to pull out a representative set of data based on their characteristics.
- Reduced run time by orders of magnitude by cutting out redundant calculations
- Responsible for both source code and extensive testing of contributions.

Rensselaer Polytechnic Institute
Rensselaer Center For Open Source Software (RCOS)
Open Source Developer
January 2014 - May 2015
- Contributed to an open source software project as a part of a team.
- Worked on a project called Vest, a Python project that analyzed data scraped from social network pages.
- Wrote the code to scrape webpages, crawl the various links they returned, and analyze the results.
- Learned fundamentals of working in a small group on a project that lasted several months.

Technical Skills

Java	Git	HTML/CSS
C/C++	Subversion	Unit Testing
Python	Linux	LaTeX

Relevant Courses

Algorithms	Cryptography & Network Security
Data Structures	Software Principles
Operating Systems	Discrete Structures

Leadership

Sigma Alpha Epsilon Fraternity
Recruitment Chairman
Managed a $10,000 budget for nine months dedicated towards organizing recruitment events. Organized series of recruitment events and lead a fraternity of 60 members to recruit a new class.
Technology Chairman
Officer of the year 2014