

Paul Revere, IV

Computer Scientist

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For the most complete and up to date version of this resume please visit my website, www.pr4.me.

Education

Rensselaer Polytechnic Institute

August 2013 - May 2017 (currently a Junior)

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 creating a compression scheme for output files from an unstructured mesh generating code and implementing a compressor with matching decompressor in C++. Also developing a system to allow for simultaneous writing of output files in massively parallel environments. The goal of each project is to make files for unstructured meshes more manageable.

Bechtel Marine Propulsion Corporation (BMPC)

Knolls Atomic Power Laboratory (KAPL)

Technical Intern

June 2015 - August 2015

Confidential Work for the United States Navy and United States Department Of Energy. Worked on a large scale Java project used to reduce the input size for scientific computing software. The project created a representative set of data from a much larger input, reducing HPC load for later processes. Also reduced run time and memory usage of the project by significant margin.

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 Facebook pages in an effort to study crime in friend groups. Learned fundamentals of working in a group on a project that lasted over a year.

Technical Skills

Java

C/C++

Python

Git

Subversion

Linux

HTML/CSS

Unit Testing

HPC

Relevant Courses

Algorithms

Data Structures

Operating Systems

Cryptography & Network Security

Software Principles

Discrete Structures

Leadership

Sigma Alpha Epsilon Fraternity

Recruitment Chairman

Officer of the year 2014, previously Technology Chairman

Managed a \$10,000 budget for 9 months dedicated towards organizing recruitment events. Organized series of recruitment events and lead a fraternity of 60 members to recruit a new class of members.