

# 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](http://www.pr4.me).

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## 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 a 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.