

Alec Brumbaugh

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Education

University of Pittsburgh – Pittsburgh, PA

Spring 2018

Bachelor of Science in **Computer Science**

GPA: 3.22

- Intramural Athletics, CCChampions Club, Computer Science Club, Pitt Soccer Talk

Robert Morris University – Moon Township, PA

August 2013 – May 2015

Bachelor of Science in **Software Engineering**

GPA: 3.51

- Division 1 Men's Soccer Team

Computer Skills and Courses

Environments/Version Control Systems: macOS, Windows, Linux, Unix, Git

Programming Languages: Java, C/C++, Python, SQL, Ruby

Related Courses: Software Engineering (Java), Systems Software (C), Data Structures (Java), Data Science (Python), Software Quality Assurance, Algorithm Implementation, Operating Systems (C), Database Management Systems, Programming Language for Web Applications (HTML, CSS, JavaScript, PHP)

Work Experience

ZOLL Medical Corporation – Pittsburgh, PA

Software Engineering Co-op (2nd Rotation)

May 2017 – August 2017

- Implemented, tested, and documented new features for internal software applications in C/C++
- Created python scripts to analyze and parse data to assist with various tasks
- Developed code for hardware to transfer/receive data between multiple microcontrollers
- Refactored prototyped code to provide a cleaner, abstracted software application
- Profiled legacy and refactored code on new hardware to analyze areas for improvement

Software Engineering Co-op (1st Rotation)

August 2016 – December 2016

- Worked on a Scrum Team to develop software solutions to issues and implement new features
- Converted sanity check script from Bash to Python to add new functionality and make it more maintainable
- Analyzed the LifeVest device's code to create an Interface Control Document for holter files
- Presented completed projects from the rotation to the Scrum Team(s) and managers

Additional Work Experience

- Valley Brook Country Club, McMurray, PA – *House Crew*

May 2016 – August 2016

- Polo Ralph Lauren Factory Store, Washington, PA – *Sales Associate*

June 2014 – May 2016

- Valley Brook Country Club, McMurray, PA – *Greenskeeper*

June 2012 – June 2014

Miscellaneous

SNPJ (Slovene National Benefit Society)

August 2008 – Present

- Volunteer for Men's 200 Club, Duck Race, Slovenefest, holiday parties, and other events
- Attend Young Adult Conference and Teen Experience Leadership Workshops