**Alec Paul Rosenbaum**

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Conshohocken, PA 19428 alecr95@gmail.com

**PROFILE**

Highly motivated individual with a passion for computer science, engineering, and programming seeking a position where I can learn and contribute to a professional organization or agency.

**EDUCATION**

**Swanson School of Engineering**, **University of Pittsburgh**; current student; expected graduation Dec 2017

Major: Computer Engineering – **GPA: 3.693 – Major GPA: 3.98**

Awarded Honor Student Designation within Swanson School

**Cornell Summer College Program;** Summer 2012

Object Oriented Program & Data Structures (Final Grade: A-); Exploration in Engineering (Final Grade: A)

**SKILLS**

Computer languages (in order of proficiency): Python, SQL, HTML/CSS, JavaScript, C, Java, MATLAB, Assembly

Software: Django, Git/Github, Sublime Text, Lint, Ansible, Jupyter/iPython, Flask, Celery, Numpy

**EXPERIENCE**

**Formlabs,** Somerville, MA **May 2017-August 2017**

Software Engineering Intern

* Undertook a variety of projects ranging from software overhauls to detailed data analysis
* Wrote, documented, reviewed, and deployed code integrated with Github

**change2target,** Greer, SC **August 2016-April 2017**

Engineering Data Analyst Co-op; member of team developing web-based data analysis software

* Continuing work with BMW Manufacturing remotely, as a part time team-member
* Planned and developed a web-based automated reporting software solution
* Created and maintained detailed documentation for all development goals and software changes

**BMW Manufacturing,** Greer, SC **January-May 2015, January-August 2016**

Engineering Data Analyst Co-op; member of team developing web-based data analysis software

* Planned and developed a web-based automated reporting software solution
* Created and maintained detailed documentation for all development goals and software changes
* Performed and automated daily reporting tasks using a custom python framework
* Rapidly learned an entirely new product structure and software framework

**National University of Singapore Research Assistant,** Singapore **Summer 2015**

Research Assistant; member of team developing nerve-based neuro-prosthetics

* Developed UART-based communication software in C according to specification sheet
* Software used for device programming and data interaction
* Lab developed custom hardware and performed testing on-site using primates

**DEKA Research and Development Corporation,** Manchester, NH **Summer 2014**

Computer Engineering Intern; member of team developing software for clients in medical device industry

* Developed automated testing software for product in advance of FDA approval submission
* Created and maintained detailed documentation for all development goals and software changes