

Alec Paul Rosenbaum

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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