

Rebecca (Becky) Abramowitz

101 S 39th St, Apt. F202, Philadelphia, PA 19104
650.353.6996 • rabram@seas.upenn.edu

Education

UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA

MSE, Robotics (December 2018)

GPA: 4.00/4.00

BSE, Mechanical Engineering and Applied Mechanics. Minor in Computer Science (May 2018)

GPA: 3.89/4.00

Coursework: Design of Mechatronic Systems, Robotics, Feedback Control, Computer Systems, Software Engineering, Data Structures, Engineering Complex Networks, Mechanical Design, Product Design.

Activities: Alpha Omega Epsilon, Pledge/Social/Recruitment Chair. ASME, Webmaster.

Honors: Tau Beta Pi. Dean's List all years.

KINGS COLLEGE LONDON, Undergraduate Summer School (two Humanities courses)

June - August 2016

CASTILLEJA SCHOOL, Palo Alto, CA GPA: 3.9

2011-2014

MENLO-ATHERTON HIGH SCHOOL, Atherton, CA GPA: 4.0

2010-2011

Experience

AMAZON.COM, Seattle, WA

May – August 2017

Software Development Engineering Intern, Amazon Fulfillment Technologies

- Designed and implemented a full-stack web application to set configurations and overrides for fulfillment center capacity optimization; site is currently being used by fulfillment centers worldwide.
- Utilized Agile programming techniques, Git, Dynamo DB, S3, AngularJS. Collaborated with UX team to design UI.

UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA

Teaching Assistant CIS 120 (Programming Languages & Technique I)

August 2015 – May 2017

Mentor CIS 110 (Introduction to Computer Programming)

January – May 2015

- Member of staff for introductory computer science classes taught using Java (CIS 110, 120) and OCaml (CIS 120).
- Planned and led weekly recitation for 20+ students. Held office hours. Graded homework and exams.
- Head of recitation materials for two semesters. Created and established generalized recitation presentations and guides.

COMCAST, Sunnyvale, CA

May - June 2016

Intern, Office of VP of Product Strategy & Development

- Collaborated with xFi UX team to dogfood test software. Recommended ways to improve ease of use.
- Prepared comprehensive competitive analysis of consumer sentiment on home router products.

AUTODESK INC., San Francisco, CA

June - August 2015

Applied Innovation Intern, Office of the CTO

- Collaborated with two interns to design, CAD and create a novel, foldable bike helmet profiled in *FastCompany*.
- Provided input to Fusion360 software and design teams. Designed new features, including a spur-gear plugin.
- Earned Autodesk certification on MIG Welder, Shopbot CNC, Water Jet, 5-axis CNC, 3D Printer, Laser Cutter.

Projects

- Developed strategy and wrote code for 3 autonomous, hockey-playing robots for graduate mechatronics course.
- Designed and co-wrote Android app for Penn Working Dog Center to track training of search and rescue dogs.
- Co-wrote GatorScout, iOS app to store, retrieve information collected in FIRST Robotics Competition challenge.
- Independent projects: Designed and created personal website and photo blog for Summer Abroad 2016.

Skills & Interests

SOFTWARE LANGUAGES

- Proficient at Java, MATLAB, OCaml, C.
- Working knowledge of JavaScript, HTML, CSS, AngularJS, Dynamo DB, S3, Objective C.

MECHANICAL DESIGN

- Software: Proficient in SolidWorks, Fusion360. Some knowledge of COMSOL.
- Tools: Extensive experience with 3D Printers, Laser Cutters, Drill Press, Miter Saw, Band Saw. Experience with CNC.

SKILLS

- Adobe InDesign, WordPress, Google Docs, Microsoft Office, conversational Spanish.

INTERESTS

- Traveling, running, and exploring the outdoors. Long-time fan of the San Francisco Giants and Golden State Warriors.