Rebecca (Becky) Abramowitz

3925 Walnut Street, Apt. 913B • Philadelphia, PA 19104 (school)
360 Lennox Avenue • Menlo Park, CA 94025 (home)
650.353.6996 • rabram@seas.upenn.edu

Education

University of Pennsylvania, School of Engineering and Applied Science   GPA: 3.86   **2014-Present**

Majoring in Mechanical Engineering and Applied Mechanics with a minor in Computer and Information Science.
Coursework: Mechanical Design, Statics, Dynamics, Thermodynamics, Computer Science I & II, Software Engineering, Mathematical Foundations of Computer Science, Differential Equations, Complex Networks.
Activities: Alpha Omega Epsilon Sorority, Social Chair. American Society of Mechanical Engineers, Webmaster. Member of Society of Women Engineers. Pennvention Competition Board, Marketing Team. Penn Appétit Magazine, Design Editor.

Castilleja School, Palo Alto, CA   GPA: 3.9 (uw)   **2011-2014**
Menlo-Atherton High School, Atherton, CA   GPA: 4.0 (uw)   **2010-2011**

FIRST Robotics Competition Lead; Varsity Track (Co-Captain); Varsity Soccer; Yearbook Editor; ACT Composite: 35/36.

Experience

University of Pennsylvania, Philadelphia, PA
CIS 120 (Programming Languages & Techniques) Teaching Assistant   *Aug. 2015 – Present*
CIS 110 (Introduction to Computer Programming) Mentor   *Jan. 2015 – May 2015*
- Member of course staff for introductory computer science course taught in Java (CIS 110 & 120) and OCaml (CIS 120)
- As TA, plan and lead weekly recitation for 20+ students; hold office hours; grade homework and exams

Autodesk Inc., San Francisco, CA   **Summer 2015**
Applied Innovation Intern, Office of the CTO
- Worked on design, CAD, and innovation of mushroom-based foldable helmet profiled in *FastCompany* as part of special project for the CEO to rethink the Fusion360 CAD software.
- Worked directly with Fusion360 team to design new features, plug-ins, and functionality
- Earned Autodesk certification on MIG Welder, Shopbot, Water Jet, 5-axis CNC, 3D Printer, and Laser Cutter.

Embark Labs, Mountain View, CA   **Summer 2014**
Intern
- Worked with founder to develop curriculum for a twelve-week course in Lego Robotics for this start-up STEM afterschool design lab program for fifth and sixth graders.
- Co-led a coding camp (Scratch) for elementary school students.

South Peninsula Jewish Teen Foundation, Palo Alto CA
Leadership Council   *2013-2014*
Board Member   *2012-2013*
- Ran monthly 4-hour meetings for teen-led, mission-driven, philanthropic board that raises > $65,000 annually, allocates funds to selected nonprofits. Created mission statement, researched potential grantees, evaluated Request for Proposal Responses, led consensus process to determine, and interacted directly with CEOs of nonprofits around the world.
- Interviewed prospective board members and professional candidates for foundation project director.
- Efforts were honored with a Congressional Certificate of Special Recognition.

PowerCloud Systems, Palo Alto, CA (subsequently acquired by Comcast)   **Summer 2013**
Intern
- Edited website and contributed to marketing collateral for this venture-funded cloud networking company.
- Helped revise video script for successful Kickstarter campaign of Skydog, a home networking solution for families.
- Rewrote portions of the original user guide and FAQs that helped Skydog achieve a 4.5-star rating on Amazon.

Projects

- Co-wrote GatorScout, mobile app to compile, store, retrieve information collected in FIRST Robotics Competition challenge.
- Helped design and write mobile application for Penn Working Dog Center to assist with training of search and rescue dogs.

Skills

- Programming Languages: Java, OCaml, MATLAB, Python, Objective C, HTML
- Other Skills: SolidWorks, Fusion360, Word, PowerPoint, Excel, WordPress, GoogleDocs, conversational Spanish