

Christopher Zawacki

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EDUCATION

Cumulative GPA: 3.51/4.00; Major GPA: 3.65/4.00

Candidate for M.S.E in Robotics 2016-2018

University of Pennsylvania

Candidate for B.S.E in Mechanical Engineering and Applied Mechanics 2013-2018

University of Pennsylvania

Candidate for B.S.E in Computer and Information Science 2013-2018

University of Pennsylvania

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Matlab,Python, C#, JavaScript, HTML, CSS
- **Areas of Focus:** Machine Learning, Embedded Systems, Mechatronics, Control Theory
- **Experienced With:** Solidworks CAD, Eagle PCB Design, Machining, Composite Materials, LaTeX

EXPERIENCE

Research Assistant in Kodlab - GRASP subsidiary 2015-Present

University of Pennsylvania

- Researched constant voltage, gait stabilizing leg design
- Designed and constructed new quadrupedal robot from scratch for the lab
- Designed a bandit style learning algorithm to teach the robot how to walk

Academic Project - Hospital blood bag delivery system 2015

University of Pennsylvania

- Designed and built an autonomous transport robot capable of traveling speeds of 3-4 mph with a max payload of 35lb
- LiDAR based navigation system running a ransac algorithm for wall detection.
- <http://camzawacki.github.io/projects/Hemoglobetrotter>