

# Christopher Zawacki

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*Website* <http://camzawacki.github.io/>

## EDUCATION

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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

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- **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

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**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>