

Christopher Zawacki

Address 3820 Locust Walk MB 0120 Harnwell Philadelphia, PA 19104
Phone (413) 539-7138
Mail zawacki.cameron@gmail.com

EDUCATION

Cumulative GPA: 3.42/4.00; Major GPA: 3.51/4.00

Candidate for M.S.E in Robotics	2016-2018
<i>University of Pennsylvania</i>	
Candidate for B.S.E in Mechanical Engineering and Applied Mechanics	2013-2017
<i>University of Pennsylvania</i>	
Candidate for B.S.E in Computer and Information Science	2013-2017
<i>University of Pennsylvania</i>	
Minor in Mathematics	2015
<i>University of Pennsylvania</i>	

Selected Projects

- Designed and built an autonomous transport robot with LiDAR based navigation system
- Designed and machined a sterling engine electric generator
- Used reinforcement learning algorithm to teach a computer how to play Pac-man
- Built 3D printer from scratch

TECHNICAL SKILLS

- **Languages:** C, C++, Java, C#, JavaScript, Python, HTML, CSS
- **Applications:** Solidworks CAD, Eagle PCB Design, Matlab, LaTeX, MS Office
- **Areas of Focus:** Machine Learning, Embedded Systems, Mechatronics
- **Experienced With:** Control Theory, Laser Cutting, 3D Printing, Composite Materials, Machining

EXPERIENCE

Research in Kodlab - UPenn GRASP subsidiary	2015-Present
<i>University of Pennsylvania</i>	
<ul style="list-style-type: none">• Researched constant voltage, gait stabilizing leg design• Designed and built new quadrupedal robot from scratch• Testing custom machine learning techniques to teach the new robot to learn how to move efficiently in unknown environments	

The Official Shirt Company (Owner)

2015

Easthampton, MA

- Marketing and sales experience.
- www.theofficialshirtco.com

Tandem Bagel Company

2012-2015

Easthampton, MA

- Family owned café
- Cashier
- food preparation