

Liam T. Berti

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Objective	Summer employment as an electrical/electronic engineering intern.	
Education	University of Pittsburgh, Pittsburgh, PA. Bachelor of Science in Electrical Engineering Minor in Computer Science GPA: 3.53/4.0 Expected Graduation: December 2017	2015 - Present
	Delaware County Community College, Media, PA. GPA 3.82/4.00 Graduated: December 2015	2013 - 2015
Relevant Projects		
Rover Robot	<ul style="list-style-type: none">• University of Pittsburgh Robotics and Automation Society 2015 - 2016• Semi-autonomous rover modeled after hazard containment robots.• Developed a web streaming server to display live video from the robot's camera, with mobile support.• Created a circuit to allow the rover's computer to communicate with sensors interfaced with a microcontroller.	
RoboSim robosim.me	<ul style="list-style-type: none">• University of Pittsburgh Robotics and Automation Society at SteelHacks 2016• Robotics simulation written in 36 hours with Python 3 and Blender that simulates a robot with sensors and physics and allows the user to transfer code written in the sim to hardware. Hardware runs identical to simulation.• First place, and best use of hardware award at SteelHacks: Pittsburgh's only Major League Hacking sponsored hackathon.	
IARC 7	<ul style="list-style-type: none">• University of Pittsburgh Robotics and Automation Society 2016 - Present• International Aerial Robotics Competition, Mission 7• Mission: Construct flying autonomous robot to herd roombas on a gymnasium floor to a specified location without the use of SLAM or GPS techniques.• Currently in the software implementation stage. Using C++, the Robot Operating System, and Python to establish a functional prototype to be simulated in a software environment.	
Skills	<ul style="list-style-type: none">• Prototyping circuits using common CAD tools, troubleshooting circuit design.• Data analysis, and software engineering with MATLAB, Python, C/C++, Java, Lisp. Some Assembly language experience.• System administration of UNIX, GNU/Linux, and Windows servers. Bash/Python scripting.• Website development with JavaScript, HTML, CSS.• L^AT_EX, Git, project management, presentation writing.• Intermediate Spanish language.• Basic-intermediate Japanese language, currently studying to take JLPT.	
Awards	Dean's List 2013 - present Eagle Scout Rank, Boy Scouts of America	