

EDUCATION

Massachusetts Institute of Technology (MIT)

- Major: Electrical Engineering and Computer Science, Class of 2017
- Relevant Coursework: Circuits and Electronics, Computation Structures, Electronics Fabrication, Introduction to Algorithms, Artificial Intelligence, Probabilistic Systems Analysis

EXPERIENCE

2015 MIT Media Lab, *Personal Robots Group*

- Developed integrated application in C# to send and parse sensor data using Windows Kinect 2.0 sensor and SDK
- Used Robot Operating System (ROS) to coordinate data flow between multiple Kinects
- Developed behavioral algorithms for an interactive human-robot demo with AIDA

Summer 2014 Orbital ATK, *Electrical Airborne Support Equipment*

- Designed camera system layout to monitor air launch vehicle status
- Created block interface diagrams for electrical systems
- Performed netlist checking for circuit schematics ranging 3-31pgs long

2013-2014 MIT Space Systems Lab, *Zero Robotics Group*

- Collaborated with a game development team to implement, test and run a programming competition in C++ for high school students
- Improved SPHERES satellite test plans by updating procedures to be used on the ISS

PROJECTS

2014 NASA RASC-AL RoboOps, MIT Robotics Team (2nd Place)

- Developed image processing algorithms to identify colored rocks in a mock planetary environment

SKILLS

Programming: *Python, C#, C++/C, Java, Javascript, HTML/CSS, LaTeX*

Other: *PCB design, circuit layout, soldering, SolidWorks, configuration management*

LEADERSHIP/EXTRACURRICULARS

Undergraduate Student Advisory Group in EECS, *Member* (2014-2015)

MIT Undergraduate Association, *Events Committee Member* (2014-2015)

Society of Women Engineers, *Girl Scouts Outreach Chair* (2015)