

ANDREW R. REILLEY

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EDUCATION

Massachusetts Institute of Technology (MIT), Cambridge, MA. *Expected graduation- 2019*
Bachelor of Science in Electrical Engineering and Computer Science
GPA: 5.0/5.0

The Maine School of Science and Mathematics (MSSM), Limestone, ME. *2015*
High School Diploma

TECHNICAL EXPERIENCE

Programming Python · C++ · Arduino · OpenGL · GLSL · Qt · SQL · Perl
Hardware 3D Printing · Circuit Design and Fabrication

ACHIEVEMENTS

1st Place Team, MIT Mobile Autonomous Systems Lab, January 2016 · 4th Place Grand Award in Health and Medicine category, Intel International Science and Engineering Fair, Los Angeles California, May 2014 · National Merit Scholarship Winner, 2015 · AP Scholar, 2015

WORK EXPERIENCE

Caron Engineering <i>Paid Intern</i>	2016
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- Added new types of analyses to the company's sensor-monitoring application.
- Developed user interfaces with Qt and C++.

Plixer International <i>Paid Intern</i>	2014/2015
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- Helped transition the company's product from one database backend to another.
- Designed tests and programmed tools to evaluate database query performance.
- Helped with quality assurance for a major release.

PROJECTS

Rocket Avionics: Currently the lead of the MIT Rocket Team's avionics subteam. We are developing and manufacturing a system that logs and transmits information about a rocket's flight as well as controlling its recovery.

MASLab: Worked with a small team to develop an autonomous robot capable of finding, navigating to, and stacking cubes based on color.

RemotePrint: Wrote software to allow a 3D printer to be accessible remotely to network users. Print jobs can be uploaded, started, monitored, and canceled.

Fractals: Used GPU-compute techniques to generate high resolution fractal images in real-time.

High Powered Rockets: Built numerous rockets using composite materials that have flown to thousands of feet in altitude.

LEADERSHIP AND ACTIVITIES

Member of MIT Rocket Team - Avionics Team Lead (2015-Present) · Founder and President of MSSM Rocketry Club (2013-2015) · President of MSSM Game Development Club (2013-2015) · National Association of Rocketry L2 Certified (2012-Present)