

Liam James Mulshine

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OBJECTIVE: Seeking a hands-on engineering experience to complement my studies in Electrical Engineering and Computer Science at Harvard College.

EDUCATION & EXPERIENCE:

Harvard College, Cambridge, MA

Aug 2014 – Present

- Pursuing an S.B. Degree in Electrical Engineering, with a secondary in Computer Science
- GPA: 3.938
- Teaching Fellow (TF) for Harvard College's introductory electrical engineering course, ES52 (Spring 2016 – present)
- Research Assistant in Harvard's Agile Robotics Lab; will design and conduct experiments to analyze aircraft flight dynamics in nonlinear regions to help devise innovative methods for nonlinear flight control (Fall 2016)
- Division 1 Varsity Nordic skier (Fall 2014 – Spring 2016)
- Bassist in the Harvard Radcliffe Orchestra (Spring 2015)

Intellibot, Inc. – Intern in Electrical Engineering for 11 weeks

Summer 2016

- Gained an invaluable, hands-on experience working with a team of senior and junior electrical engineers to help prototype and test the company's next generation of industrial size, autonomous floor cleaning robots; designed and conducted experiments to characterize sensors for future integration into the machines and wrote comprehensive reports to demonstrate my findings; designed, assembled, tested and debugged circuit boards; installed new hardware on the robots to ensure they met CE safety standards; performed "dead bug" prototyping; contributed to high level software design; utilized my ability to work independently while ensuring effective communication with my team.

RFC Cambridge

Spring 2014 – present

- Co-president starting Fall 2016
- Organize and manage both club and sub-team meetings; coordinate electrical engineering sub-team projects; contribute strongly to hardware and firmware design; develop strategies to ensure long-run organization sustainability; advise younger members on embedded system design.

AngioDynamics Inc. – Intern in Regulatory Affairs for 12 weeks

Summer 2015

- Worked to update and improve the clarity of the company's technical and regulatory documents using Microsoft Office to help streamline the approval process for medical devices with the Food and Drug Administration (FDA); compiled sales and complaint data for specific product lines to help clarify which products needed to be improved.

Queensbury High School, Queensbury, NY

Sept 2010 – June 2014

- Valedictorian
- President of National Honor Society
- US Air Force Recruiting Service's Mathematics & Science Awards (9th - 12th grades)
- Twice Conference All State String Bassist for String and Symphony Orchestras
- Varsity Soccer Co-Captain & Foothills Council First Team All Star (Fall 2013)

SKILLS:

- Experience with Computer Science languages, C, C++, MATLAB, JavaScript, OCaml, HTML, PHP
- Often use electrical engineering laboratory equipment for circuit design, testing, and debugging
- Experience with EAGLE PCB design tool, Cadence circuit simulator, and some SolidWorks
- Regularly use Microsoft Office and Google applications
- Experience using common workshop tools, milling machine, and lathe – recently built RC plane with 6' wingspan