

GRANT GUNNISON

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EDUCATION

2016 **Massachusetts Institute of Technology** **GPA: 4.4/5.0** **GRAD GPA: XX/5.0**
Electrical Engineering and Computer Science B.S.
Masters of Engineering in Electrical Engineering Candidate

Selected Coursework: Microcontrollers, Power Electronics, Controls, Analog Circuit & Digital IC Design, Algorithms, Artificial Intelligence, Web Development, Digital Communications, Design & Manufacturing

EXPERIENCE

2016 **SpaceX – Power Electronics Intern** Hawthorne, CA

- Designed a testing board for the power distribution box of the Falcon 9
- Redesign the power distribution card for the Falcon 9

2015 **MIT RLE SuperUROP – Undergraduate Research** Cambridge, MA

- Built a control algorithm to optimize a military microgrid by using the thermal capacity of available structures as a battery to minimize generator fuel consumption.

2015 **Bridgewater Associates – Management Intern** Westport, CT

- Worked with a management team to audit the Transformation Department's machine for systematizing the Recruiting Department to recommend a future execution
- Learned to take a principled approach in working on projects and through ambiguity

2015 **Bank of America Merrill Lynch – Analyst, Intern** New York City, NY

- Developed a stress-testing algorithm for an automated market-making algorithm
- Learned and analyzed asset backed fixed income strategies

2014 **AQR/CNH Partners - Research Analyst** Greenwich, CT

- Strategy Development & Optimization Research
- Developed a strategy agnostic back-testing and analytics API

LEADERSHIP & ACTIVITIES

2015 **Phi Beta Epsilon – President** Cambridge, MA

- Led the development of a meaningful community amongst separate individuals
- Responsible for the well being and safety of 60 other individuals
- Facilitate and manage all house, financial, and social affairs

2014 **MIT Offroad – President** Cambridge, MA

- Started to extend and apply the knowledge learned in the classroom to a practical application
- Fully rehabbed and upgraded a Jeep Cherokee into a Weekend Warrior.

2014 **MIT MASLAB (Mobile Autonomous Systems Laboratory) – 1st Place** Cambridge, MA

- Designed and fabricated a fully autonomous robot in SolidWorks that implemented a PID control system and real-time Visual Processing
- Relinearized the 2D surface projections of a wide-angle webcam in order to get accurate 3D angle and distance calculations

2014 **MIT Design and Manufacturing – 5th Place** Cambridge, MA

- Learned precision machine skills and fully documented the iterative design process
- Demonstrated clear analytical skills through clean designs, backed by physics models

2014 **Sloan Business Club – Finance Managing Director** Cambridge, MA

- Taught valuation methodologies to invest on a fundamental basis
- Managed a personal trading account since 2010

Skills: Altium, Python, ASM, MatLab, MySQL, JavaScript, Node, SolidWorks, LaTeX, Eagle Scout,

Hobbies: Two-Step/Line Dancing;; Spearfishing; Football; Blackjack; Off-Roadng