

MAX LANCASTER

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400 Memorial Drive ◇ Cambridge, MA 02139

EDUCATION

Massachusetts Institute of Technology, Cambridge, Massachusetts

Expected: June 2018

B.S. in Computer Science & Engineering

Relevant Coursework: *Software Construction, Introduction to Algorithms, Computer Systems Engineering, User Interface Design and Implementation, Computation Structures, Math for Computer Science, Introduction to Electrical Engineering and Computer Science, Differential Equations, Multivariable Calculus*

Attleboro High School, Attleboro, Massachusetts

June 2014

High School Diploma

TECHNICAL STRENGTHS

Linguistics

Fluent in English, Proficient Reading, Writing and Speaking in Spanish

Programming

Java, Python, HTML/CSS, JavaScript, jQuery, Bash, Microsoft Office, L^AT_EX

Operating Systems

UNIX, Linux, Windows 95 - 8, Android

Frameworks

Node.js, KineticJS, KonvaJS

WORK & VOLUNTEER

Scheller Teacher Education Lab

June, 2015 - Present

Undergraduate Researcher

Cambridge, MA

- Worked as an undergraduate researcher on a block-based coding language called Gameblox
- Integrated the Box2D physics engine to improve the physics-capabilities of user-made games
- Developed and improved Gameblox mobile app for users to play games on mobile devices.

MIT Mobile Autonomous Systems Laboratory

January, 2015

Participant

Cambridge, MA

- Designed, built and iterated on mobile autonomous robot to efficiently accomplish predefined task for competition
- Collaborated with team of three other students over month-long project
- Awarded 4th place out of 10 competitors

MIT Discover Mechanical Engineering

September, 2014

Participant

Cambridge, MA

- Worked individually to create user-controlled, soccer-playing robot

ACTIVITIES

Phi Beta Epsilon Fraternity

September, 2014 - Present

Brother

Cambridge, MA

MIT Varsity Baseball

September, 2014 - Present

Infielder

Cambridge, MA

National Honor Society Attleboro Chapter

September, 2013 - June, 2014

President

Attleboro, MA

Attleboro School Committee

September, 2013 - June, 2014

Student Representative

Attleboro, MA

- Served as sole student liaison to school committee.
- Represented 6,000 students in Attleboro School District.