

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

Selected Coursework: Computer Systems Security, Principals of Computer Systems, Introduction to the Theory of Computation, Computer Systems Engineering, Software Studio, Artificial Intelligence, Software Construction, Introduction to Algorithms, User Interface Design and Implementation

TECHNICAL STRENGTHS

Programming	Java, Python, HTML/CSS, JavaScript, Salesforce, jQuery, Git, Bash, Coq, L ^A T _E X
Operating Systems	UNIX, Linux (Ubuntu), Android iOS
Frameworks	Node.js, React.js, MongoDB, WebDriver/Selenium RC
Linguistics	Proficient Reading, Writing and Speaking in Spanish

WORK & VOLUNTEER

Salesforce.com

June, 2017 - August, 2017

Intern, Software Engineering

San Francisco, CA

- Helped build a library for tenant-to-tenant authentication across the Salesforce infrastructure
- Designed, built and iterated on a tool used by Salesforce tenants to manage Elliptic-Curve key pairs

Salesforce.com

May, 2016 - August, 2016

Intern, Software Engineering

San Francisco, CA

- Migrated one of Salesforce's security team's functional test suite from Selenium RC to WebDriver
- Used a three-tier architecture model to build test suites for Salesforce's App Launcher and other features

Scheller Teacher Education Lab

June, 2015 - January, 2016

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 4 th 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, New Member Educator

Cambridge, MA

MIT Varsity Baseball

September, 2014 - Present

Outfielder

Cambridge, 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.