

# LISANDRO JIMENEZ LEON

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## EDUCATION

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### Massachusetts Institute of Technology

June 2017 (expected)

Cumulative GPA: 4.4/5.0

Cambridge, MA

Candidate for Bachelor of Science in Electrical Engineering and Computer Science

Relevant Coursework: Computer Systems Engineering · Machine Learning · Design and Analysis of Algorithms · Software Studio · Elements of Software Engineering · Circuits and Electronics · Signals and Systems · Intro to Algorithms · Computation Structures · Communicating with Mobile Technology · FALL '16: Operating Systems

## SKILLS

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- Languages: Python, Hack/PHP, Java, Javascript, C
- Tools: Linux, Bash, GDB, HTML/CSS/JS, Git/Mercurial, Node.js, Android SDK, SQL
- Fluent in Spanish

## EXPERIENCE

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### Facebook · *Production Engineering Intern*

Summer 2016

Focused on systems and reliability. Worked on Messenger backend infrastructure and internal tooling.

Seattle, WA

- Worked with Python and Hack/PHP

### MIT Interactive Robotics Group · *Undergraduate Research Developer*

Summer 2015

Worked with the Optimus mobile robotics platform, using Python.

Cambridge, MA

- Worked with ROS and LCM to facilitate communication between robotic systems
- Extended MIT DARPA Robotics software with additional visualization tools using VTK
- Created teleop GUI using Qt

### MIT Space Systems Lab · *Undergraduate Researcher*

Summer 2014

Cambridge, MA

- Studied implementation of robotic arms on satellites
- Wrote C/C++ programs throughout the summer on tasks such as simulating and visualizing arm-satellite dynamics and allowing communication between Linux and embedded systems
- Designed PCB to allow communication between USB and RS485
- Created CAD models and designed mission patch for current lab project

## ACTIVITIES AND CLASS PROJECTS

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### Location Sharing Android App · *Team Member*

Spring 2015

Took a class focused on mobile app ideation and development. Worked with a team of three other people to design, prototype, and test a mobile Android app focused on location sharing.

Cambridge, MA

- Conducted field studies to determine user needs, as well as UI tests with potential users
- Implemented client-side app with the Android SDK
- Implemented backend with Python Flask framework

### MIT Autonomous Robotics Competition · *Software and Electrical Lead*

Jan. 2015

Cambridge, MA

- Competed against teams of other MIT students in autonomous robotics competition
- Designed software for autonomous robot using C++ and OpenCV on the Intel Edison Platform
- Designed electronics stack and circuitry used by robot