

EDUCATION

Massachusetts Institute of Technology
Master's degree – expected JUN '17
Electrical Eng & Computer Science
Bachelor's degree – JUN '16
Computer Science & Engineering
GPA: 4.5/5.0

SKILLS

Programming languages

• Proficient with:

JavaScript, Python, Java, Ruby,
PHP/Hack, SQL, MATLAB, Bash

• Familiar with:

Go, C/C++, Swift, asm, GraphQL

Frameworks & Libraries

• **Proficient with:** React, Angular,
Node/Express, jQuery, Ruby on
Rails, MongoDB, postgresql, mysql,
Electron, Spring, postgres, unicorn
• **Familiar with:** D3.js, LeapJS, EJS, ,
Hibernate, matplotlib, highcharts.js

Technologies

Android SDK+Studio, Arduino,
Xcode, IntelliJ, Atom, L^AT_EX, Unity
Version control: git, hg, svn

INTERESTS

Databases, Networks, Embedded
systems, Cognitive Robotics,
Distributed systems, UI/UX, Chrome
extensions, Human-computer
interaction, Data visualization

I'M ALSO A ...

- full-stack web developer
- native app developer
- free software advocate
- French & Kinyarwanda speaker
- sketch artist, art enthusiast
- fan of Anime

PERSONAL PROJECTS

Please see personal site
(ericmanzi.com/#projects)

WORK EXPERIENCE

Facebook

Front End Engineering intern

• Worked on Search Team to improve the search experience on FB's desktop & mobile sites. Built full-stack modules designed by UX experts

Menlo Park, CA

Jun 2016 – Aug 2016

Akamai Technologies

Software Engineering Intern

• Built web app (AngularJS) and wrapper API (Spring) for Akamai Field Technicians to perform maintenance checks on deployed hardware.
• Tested with Jasmine and Mocha. Followed Agile methodology

Cambridge, MA

May 2015 – Aug 2015

Institute for Research in CS and Automation (INRIA)

Software Engineering Intern

• Built python-based command-line interface tool to analyze over 11 million recorded chess games with top chess engines
• Contrived new rating system based on regression analysis of moves

Rennes, France

Jun 2014 – Sep 2014

MIT EECS Department

Lab Assistant, Tutor, Grader

• Tutored Intro to EECS 1. Did 1-on-1 & group tutoring with MIT HKN
• Lab Assistant for Intro to EECS 2. Graded & beta-tested psets

Cambridge, MA

Feb 2014 – May 2015

RESEARCH

MIT ITS Lab

Research Assistant

• Developing integrated freight data collection framework for tracking vehicles and shipments to enable generation of new freight models

Cambridge, MA

Sep 2016 – Present

MIT CSAIL (SDG group)

Undergraduate Student Researcher

• Implemented UI builder for Déjà-Vu, a desktop app for building web apps by composing clichés of functionality. Built with Electron

Cambridge, MA

Jan 2016 – May 2016

MIT Sloan (IDE group)

Research Assistant

• Built chrome extensions to simulate social media experiences and collect behavioral data from 4000+ consumer study participants
• Used emotion recognition API to study reactions to BMW video ads

Cambridge, MA

Jan 2016 – May 2016

MIT Media Lab (Living Mobile Group)

Undergraduate Student Researcher

• Built Android app that communicates w/ Arduino sensors to help couples improve physical & emotional wellbeing by exercising together

Cambridge, MA

March 2015 – May 2015

MIT Center for Educational Computing Initiatives

Undergraduate Student Researcher

• Built platform for students to document & collaborate on project theses

Cambridge, MA

Aug 2013 – May 2014