

Emily Crandall Fleischman

TERM ADDRESS

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PERMANENT ADDRESS

3804 Everett Ave.
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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science Civil Engineering

2014–May 2018

- Engineering coursework: Public Transportation Systems; Civil & Environmental Engineering Design Lab; Programming for Engineering; Statistics for Engineering
- Urban Planning coursework: Intro to Urban Design & Development; Transportation Policy; Big Plans: Adapting to Climate Change; GIS Project Lab
- Other relevant coursework: Microeconomics; Multivariate Calculus

RELEVANT EXPERIENCE

MIT Department of Economics

Cambridge, MA

Undergraduate Researcher

August–September 2016

- Wrote Python code to analyze GPS data from study participants.
- Worked with QGIS to visualize GPS data.

San Francisco Bay Area Rapid Transit District (BART)

Oakland, CA

Intern

July–August 2015

- Developed use cases for IBM TRIRIGA TREES software.
- Drafted change order for change in contract scope.

Market Street Railway

San Francisco, CA

Volunteer

Summers 2012–2013

- Catalogued and indexed documents relating to historical public transit in San Francisco, CA.

ADDITIONAL EXPERIENCE

Living Group Council (LGC)

Cambridge, MA

Speaker; Undergraduate Association Representative

May 2015–present

- Organized and facilitated meetings of the LGC, the governing body of the five Independent Living Groups (ILGs) at MIT.
- Represented the ILGs on committees, student government, and in meetings with administrators.
- Spoke at events for new students and parents of new students.

Mobile Autonomous Systems Laboratory

Cambridge, MA

Participant/Programmer

January 2015

- Learned C++ in one month.
- Programmed firmware for robot motors and infrared sensors using C++

SKILLS

- Familiar with ArcGIS and QGIS software.
- Proficient with MATLAB and NumPy.
- Proficient with Microsoft Word, Excel, PowerPoint, and Access.
- Self-taught programming in HTML, JavaScript, CSS, PHP, Python, Java, C, and C++.
- Proficient in Spanish, basic knowledge of French and Latin.