

# Emily Crandall Fleischman

## TERM ADDRESS

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## PERMANENT ADDRESS

3804 Everett Ave.  
Oakland, CA 94602

## EDUCATION

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### Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science in Civil Engineering

2014–June 2019

- 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; Behavior & Policy; Big Plans: Adapting to Climate Change; GIS Project Lab
- Other relevant coursework: Microeconomics; Multivariate Calculus

## RELEVANT EXPERIENCE

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### Arup

New York, NY

Transportation Planning Intern

June–August 2017

- Researched alternative mobility options for suburban transportation networks.
- Produced maps using ArcGIS and Adobe Illustrator for use in presentation to client.

### 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

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### Living Group Council (LGC)

Cambridge, MA

Speaker; Undergraduate Association Representative

May 2015–February 2018

- 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

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- 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, C++, Go, and Rust.
- Proficient in Spanish, basic knowledge of French, Latin, and Old English.