Emily Crandall Fleischman

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PERMANENT ADDRESS
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EDUCATION

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

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

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

- 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.