

Jared R. Lieberman
JLIEBS20@gmail.com | (201)-562-3253 | Somerville, MA

Tufts University | Medford, MA | May 2018

Bachelor of Science, Computer Science
Minor – Political Science | Dean's List

Experience

Massachusetts Institute of Technology

Cambridge, MA | June 2018 – present

Software Developer, Department of Political Science, Supervisor: Professor In Song Kim

- Developing a human-computer collaborative web application that assists in research regarding the relationship between money and politics

Beth Israel Deaconess Medical Center

Boston, MA | July 2017 – August 2017

Research Student, Emergency Medicine Informatics Research Lab

- Designed and developed a simulation of the Emergency Room to find more efficient approaches to constructing its layout

Hebrew University

Jerusalem, Israel | June 2016 – August 2016

GIS Lab Intern, Center for Computational Geography

- Created geoprocessing models to efficiently organize large environmental and geographical data sets

New Jersey Senate

Teaneck, NJ | May 2015 – August 2015

Intern, Office of N.J. State Senate Majority Leader Loretta Weinberg

- Researched governmental issues and policies most specifically related to Open Public Records laws and police Body-Worn Cameras, ultimately utilized by the Senator in writing legislation

Columbia University Medical Center

New York, NY | July 2014

Lab Intern

- Conducted basic science experiments in a cancer research laboratory

Skills: Git/GitHub, ArcGIS, MS Office

Programming Languages/Frameworks: Python, C, C++, JavaScript, HTML5, CSS

Languages: Working knowledge of Spanish

Certifications: CPR and Wilderness First Aid

Relevant Courses and Projects

Data Structures; Calculus II; Discrete Mathematics; Machine Structure and Assembly Language Programming; Artificial Intelligence; Programming Languages; Web Programming; Algorithms; Machine Learning; Information, Technology, and Political Power; U.S. Elections; Constitutional Law

NYC Taxi Prediction, *Python*, Random Forest algorithm to predict which borough taxi rides end in

Emergency Room Simulation, *Python*, Implemented the simulation using simulation package SimPy, accounting for different variations in patient experiences. Cleaned data to prepare for the model.

Image Compression, *C*, Compresses images by transforming color space and packing binary data

Activities

Enigma: Tufts Independent Data Journal: Workshops on topics in data science & data visualization

Tufts in Rwanda Fellowship: Educational trip to the Agahozo-Shalom Youth Village for orphans and teen survivors of genocide and trauma. Funded in part by the Cummings Institute for World Justice.

Tufts Mountain Club: Stewardship Director – Organized 800-member club in community volunteering