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
- Developing a big data web application under Professor In Song Kim

Beth Israel Deaconess Medical Center   **Boston, MA | July 2017 – August 2017**
Research Student, Emergency Medicine Informatics Research Lab – Department of Emergency Medicine
- Designed and developed a model of the Emergency Room using Python's simulation package SimPy to find more efficient approaches to constructing its layout

Hebrew University   **Jerusalem, Israel | June 2016 – August 2016**
GIS Lab Intern, Center for Computational Geography, Supervisor: Mr. Adi Ben-nun
- Created geoprocessing models using ArcGIS to produce maps and streamline the process of organizing large environmental and geographical data sets

Office of New Jersey State Senate Majority Leader   **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

Emergency Room Simulation, *Python*, Implemented the simulation, 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
6-degrees, *C++*, Finds all and shortest paths between sets of students and TAs in different courses

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