Jared R. Lieberman
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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 probabilistic record linkage 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, accounting for different variations in patient experiences.

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

Programming Languages/Frameworks: Python, C, C++, JavaScript, HTML5, CSS
Skills: Git/GitHub, ArcGIS, MS Office
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
Cambridge Tree Growth, *Python*, Simulation of tree growth for the City of Cambridge that projects net growth of city trees depending on various factors including species, location, and age
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