# MADELEINE SCHWARTZ

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## EDUCATION
**Tufts University | Medford, MA**                                                                        **Class of 2020**
B.S. in Computer Science and Political Science | GPA: 3.5
CS Coursework: Intro to Computer Science, Data Structures, Discrete Math, Machine Structure & Assembly Language
PS Coursework: Into to American Politics, Western Political Thought 2, Latin American Politics, City Politics, Gender, Work, & Politics in East Asia

## TECHNICAL SKILLS
**Programming:** C • C++ • Python • HTML • CSS • Javascript        **Technologies:** Adobe XD, Photoshop • Wireshark
**Tools:** Linux • Unix • Valgrind • Make • Git • Bash        **Spoken Languages:** Spanish (conversational)

## PROJECTS
**Illinois Legislature Gender Distribution | ICPR 2018**
Built a python web scraper to collect public data about the Illinois Legislature employees from the Illinois Comptroller's website, coded a C++ program to assign gender to employees and analyze data. Co-authored published article in ICPR.

## EXPERIENCE
**UI/UX Programmer at MIT's LobbyView | Cambridge, MA**                                        **Sept 2018 - Present**
LobbyView is a comprehensive database that tracks lobbying in Washington, DC. Led by MIT Professor In Song Kim and funded by the National Science Foundation, LobbyView increases transparency of money in politics.
- Designing search filters, search results, and visualization using Adobe XD
- Implementing designs using HTML Jade, CSS Style, JavaScript Coffee, Bootstrap, and Angular JS

**Discrete Math Teaching Assistant at Tufts University | Medford, MA**                        **Sept 2018 - Present**
Discrete Math is a core class of the computer science program, covering propositional logic, mathematical induction, combinatorics, recurrence relations, etc.
- Grade weekly homework assignments for 114 students
- Teach students course topics and clarify homework assignments at office hours

**Logistics Director at Tufts CIVIC | Medford, MA**                                        **May 2018 - Present**
**Member Sept 2016- May 2017, Communications May 2017- May 2018**
Tufts CIVIC is a discussion-based student organization that provides an open forum for political discourse.
- Manage public messaging of CIVIC via email, posters, and social media
- Organize events such as formal debates, action workshops, policy challenges, etc.

**Policy Research Analyst at Illinois Campaign for Political Reform (ICPR) | Chicago, IL**        **May 2018 – Aug 2018**
Illinois Campaign for Political Reform is a 501(c) non-partisan non-profit dedicated to promoting government integrity, accountability, and transparency in Illinois by addressing campaign finances, voter accessible, and election reforms.
- Coded web-scrapers to collect public but inaccessible government information
- Researched state and municipal policies regarding FOIA, voting equipment, and public campaign financing
- Designed infographics to accompany weekly research articles and other promo materials
- Collected & analyzed campaign finance data of federal, state, and local candidates
- Created a re-branding and marketing strategy and conducted monthly social media analytic reports

**Intern at the District Office of the Honorable Mike Quigley | Chicago, IL**                        **May 2017 - July 2017**
Mike Quigley serves Illinois' 5th district in the US Congress. His district office is where he and his staff directly connect with his constituents.
- Served constituents over the phone and in person
- Analyzed social media outreach and recorded all media mentions and appearances
- Researched national policy on labor and trade, civil liberties, and national security

## ADDITIONAL EXPERIENCE
Editorialist at Tufts Daily                                                                        Sept 2016 – May 2018
Administrative Assistant at Tufts University, Dept. of Computer Science | Medford, MA        Sept 2017 - May 2018
Election Judge at Illinois State Board of Elections | Chicago, IL                                        March 2015