

# Madeleine Schwartz

1 (773) 677 7611 | [madks97@gmail.com](mailto:madks97@gmail.com) | <https://maddoschwartz.github.io/>

## EDUCATION

---

### Tufts University, Somerville, MA

May 2020

Bachelor of Science, Computer Science, Political Science, GPA 3.5

## WORK EXPERIENCE

---

### Viasat, Global Technology - 6,000 employees - Boston, MA - <https://www.viasat.com/>

Viasat is a global company that provides commercial broadband satellite internet to individuals and airlines and communications solutions to the US government.

#### Software Engineer

September 2020-Present - 40 hr/wk

Developer on an agile team of 3-4 engineers building microservices, REST APIs, and data scrapers used by internal developers improving customers' broadband internet service

- Developed REST APIs using Python, Postgres, AWS, and Docker
- Presented slides biweekly to stakeholders on feature progress and plans
- Managed two summer interns by leading daily standup and weekly sprint planning
- Scraped 17,000+ data points from websites using Python and Selenium
- Contributed to weekly API standards and best practices forum
- Available to on-call outages 24/7, one week every month
- Complied with US and EU privacy and net neutrality regulations in algorithmic decisions, data collection, and storage

#### Software Engineer Intern

May 2019-August 2019 - 40 hr/wk

Data Engineer and Analyst on agile team of 3 interns that built machine learning models

- Built a Python random forest machine learning to model webpage loading times
- Cleaned and engineered features from big data, finding 15 out of 378 features
- Awarded the Community Outreach Award at the Intern Hackathon for a webapp

### Lobbyview - 5 employees - Cambridge, MA - <https://www.lobbyview.org/>

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 in politics.

#### Front End Web Developer and UX Designer

September 2018-September 2020 - 10 hr/wk

- Designed user interface of main website using Adobe XD
- Implemented front end using HTML, CSS, React, and Node.js
- Managed work using Github Issues

### Reform for Illinois - 10 employees - Chicago, IL - <https://www.reformforillinois.org/>

Reform for Illinois is a 501(c) non-partisan non-profit dedicated to promoting government integrity, accountability, and transparency in Illinois

#### Policy Research Analyst

May 2018-August 2018 - 40 hr/wk

- Researched state and municipal policies regarding FOIA, voting equipment, and campaign finance
- Designed infographics to accompany weekly research articles and other promo materials
- Coded web-scrapers and scripts to collect and analyze public but inaccessible government data

## **United State Congress, Mike Quigley's Constituent Office - 10 employees - Chicago, IL**

Mike Quigley serves Illinois' 5th district in the US Congress. His district office is where he and his staff directly connect with his constituents.

*Intern*

*2017 - July 2017 - 40 hr/wk*

- Provided first line of service to constituents by answering telephones, emails, and mail
- Analyzed social media outreach and recorded all media mentions and appearances
- Researched national labor policies, civil liberties, and national security

## HONORS

---

### **Honos Civicus - May 2020 - <https://tischcollege.tufts.edu/education/honos-civicus>**

Tisch College recognizes graduating students who have dedicated their college career and time to civic engagement and social impact. I was granted this award for my involvement in Tufts CIVIC and Lobbyview.

## SKILLS

---

Programming: Python, C++, C, SQL, AWS, Javascript, HTML, CSS, Git, Docker  
Language: Spanish (conversational)  
Software: Microsoft Suite, Adobe XD

## VOLUNTEER WORK

---

### **Boston Partners in Education - Boston, MA - <https://bostonpartners.org/>**

Boston Partners in Education enhances Boston Public School students' education by matching them with volunteer tutor and mentors.

*High School Geometry Tutor*

*November 2020-June 2020 - 2 hr/wk*

- Facilitated weekly breakout sessions of 4-5 students
- Reviewed and taught high school geometry concepts

### **Tufts CIVIC - 100 students**

Tufts CIVIC is a discussion-based student organization that provides an open forum for political discourse. CIVIC organized weekly discussions on a new issue each week and a semesterly debate between Tufts Republicans and Tufts Democrats.

*Member*

*Sept 2016-May 2017 - 2 hr/wk*

*Communications Director*

*May 2017-May 2018 - 6 hr/wk*

*Logistics Director*

*May 2018-May 2020 - 6 hr/wk*

### **Tufts Daily - 100 students - <https://tuftsdaily.com/>**

The Tufts Daily is the independent newspaper at Tufts University, reporting on arts and news and featuring columns and opinions.

*Opinion Writer*

*Sept 2017-May-2018 - 5 hr/wk*

*News Writer*

*Sept 2018-May 2019 - 5 hr/wk*

*Columnist*

*Sept 2020-May 2020 - 5 hr/wk*