

EDUCATION

Tufts University | Medford, MA

Class of 2020

B.S. in Computer Science and Political Science | GPA: 3.5

- Data Structures, Discrete Math, Machine Structure, Algorithms, Computer Security, Programming Languages, Linear Algebra, Internet-Scale Distributed Systems, Programming Language Design

TECHNICAL SKILLS

Programming: C • C++ • Python • Standard ML • Scheme • SmallTalk • Haskell • HTML • CSS • Javascript • Latex**Tools:** Git • Jupyterlab • Valgrind • Make • Wireshark • Nmap • Netcat • TCPDump • Ettercap • Adobe XD

PROJECTS

HelpOut | Viasat DevHack 2019 | Winner of Community Outreach Award

Designed the user interface and experience of a web-app that connects volunteers at refugee resettlement agencies to refugees looking for help with daily tasks. Implemented frontend with HTML, CSS, Angular JS, Express, and Node.js

Illinois Legislature Gender Distribution | RFI 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 RFI](#).

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.

- Designed user interface of main website using Adobe XD
- Implementing front end using HTML, CSS, React, and Node.js

Research Assistant at Tufts University | Medford, MA

Sept 2019 – Present

Professor Richard Eichenberg of the Department of Political Science conducts research on public opinion and gender issues in the United States foreign policy.

- Collecting and analyzing data with STATA on the policy activity of the US Department of State
- Summarizing literature on public opinion in US and Europe towards NATO

Software Engineer Intern at Viasat | Boston, MA

May 2019 – Aug 2019

Viasat is a telecommunications company currently providing residential and community based satellite internet to areas where reliable high speed internet is not usually accessible.

- Built a random forest machine learning model with Python to research webpage loading times
- Cleaned and engineered features from big data
- Designed an automated feature selection process that reduced the feature set from 378 to 15 variables

Discrete Math Teaching Assistant at Tufts University | Medford, MA

Sept 2018 – Dec 2018

Discrete Math is a core class of the computer science program covering logic, mathematical induction, combinatorics, etc.

- Graded weekly homework assignments for 114 students
- Taught students course topics and clarify homework assignments at office hours

Policy Research Analyst at Reform for Illinois | Chicago, IL

May 2018 – Aug 2018

Reform for Illinois is a 501(c) non-partisan non-profit dedicated to promoting government integrity, accountability, and transparency in Illinois by addressing campaign finance, voter accessibility, and election reforms.

- Coded web-scrappers to collect public but inaccessible government information
- Researched state and municipal policies regarding FOIA, voting equipment, and public campaign financing
- 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 directly serves constituents.

- Served constituents over the phone and in person
- Analyzed social media outreach through qualitative and quantitative methods
- Researched national policy on labor and trade, civil liberties, and national security

ADDITIONAL EXPERIENCE

Columnist at Tufts Daily | Medford, MA

Sept 2019 – Present

Logistics & Communications Director at Tufts CIVIC | Medford, MA

May 2017 – May 2019

Editorialist, Copy Editor at Tufts Daily | Medford, MA

Sept 2016 – May 2018