

**EMPLOYMENT:**

July 2022 – present: MITRE, Software Engineer.  
Summer 2021: MITRE, Graduate Software Engineering Intern.  
Summer 2020: Visual Analytics Lab at Tufts, Summer Research Intern.  
Summer 2019: Visual Analytics Lab at Tufts, Summer Research Intern.  
Summer 2018: EB Research Partnership, Summer Intern: Administrative Support to Executive Director.

**SECURITY CLEARANCE:** DOD - Secret, HHS - Low, DHS CWMD - Medium, IRS - Moderate.

**PROJECTS:**

AMIT SPoTT | CMS: Dashboard tracking tool for state Medicaid and Medicare funding.

- Tableau to AWS QuickSight migration and development of new dashboards.
- Data importing and management through AWS Cloud, Microsoft SQL Server, and Python.
- Leadership of development team, knowledge transfer and training, presenting to Center for Medicare and Medicaid Services (CMS) sponsors.

CWMD Dashboarding | DHS: Dashboards for Countering Weapons of Mass Destruction (CWMD).

- Tableau to AWS QuickSight migration and development of new dashboards for executive use.
- Direct presentation with the Department of Homeland Security (DHS) sponsors.

GitHub Scripting: Website of open-source tools and information at MITRE.

- Python scripting and Beautiful Soup web scraping for efficient data imports.
- Creating and designing modern Vue website to host information for MITRE internal use.

ATLAS | MITRE: Online database comprised of adversarial machine learning tactics and case studies.

- Developed user-friendly case study builder using Vue.js.
- Documentation website using mkdocs for a comprehensive knowledge base of functionality.
- Mentoring interns.

Walmart Foundation Nutrition Study: Research into gamification of online grocery shopping.

- Full stack web development, working on end-to-end API with Express.js and MySQL.

Bayes Theorem: A visualization of Bayes Theorem using Javascript library D3.

**LANGUAGES AND TECHNOLOGIES:**

Python, HTML, CSS, JavaScript, Vue.js, Express.js, Node.js, React.js, D3.js, R, MySQL, C, C++, Java, Microsoft Office Suite, Adobe Suite, AWS Cloud, Tableau, AWS QuickSight, Figma.

**RESEARCH:**

2019 – 2022: Research Assistant at the Visual Analytics Lab at Tufts with Professor Remco Chang. Research in nudging users and visualization properties that are most effective.

Paper Acknowledgement: The creation of an online grocery store for experimental purposes.

**EDUCATION:**

2020 – 2022: Tufts University School of Engineering – Class of 2022. Data Science Masters. GPA: 3.67.

2017 – 2021: Tufts University School of Engineering – Class of 2021. Bachelor's degree in Computer Science major and Cognitive and Brain Sciences minor. GPA: 3.52, Magna Cum Laude.

Classes: Data Structures, Web Development, Machine Structures and Assembly Language, Algorithms, Visual Analytics, Object Oriented Programming for GUIs, Programming Languages, Computation Theory, Machine Learning, Databases, Big Data, Discrete Mathematics, Cognitive and Brain Sciences, Perception, Linguistics.