

EMPLOYMENT:

March 2025 – present: MITRE, Senior Visualization and Graphics Software Engineer.

July 2022 – March 2025: MITRE, Intermediate 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:

Advancing Medicaid IT | Centers for Medicare & Medicaid Services: Data warehousing and dashboard tracking tool for state Medicaid and Medicare funding, metrics, and HIPAA compliance.

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

CWMD Dashboarding | Department of Homeland Security: 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 BeautifulSoup 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, SQL, HTML, CSS, JavaScript, Vue.js, Express.js, Node.js, React.js, D3.js, R, Java, Microsoft Office Suite, Adobe Suite, AWS Cloud, DataBricks, 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. Masters in Data Science. 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.