Kathleen Garrity

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EXPERIENCE

Prism Analytic Technologies   **Cambridge, MA**

Senior Software Engineer   *May 2023 – April 2024*

- Championed the architecture, design, and development of a React component library for advanced data visualizations, drastically simplifying and accelerating our team's ability to create beautiful and engaging visualizations with complex interactions
- Spearheaded the refactoring of a legacy codebase to create flexible and reusable UI components, improving both the developer and user experiences and allowing our team to build and launch new features and products rapidly
- Contributed to prompt engineering and agent design workflows to launch a chatbot with industry specific knowledge, allowing users to uncover insights in their data 50% faster

Software Engineer   *May 2021 – May 2023*

- Collaborated with a small team to develop a full-stack React application, focusing on building out a robust system of secure endpoints and flexible data pipelines, ensuring a secure and fast experience for users
- Engaged directly with clients to gather and translate user requirements into intuitive features and interactive data visualizations, streamlining the data analysis process and making it easy for them to communicate with stakeholders

Software Engineering Intern   *August 2020 – May 2021*

- Developed a full-stack web application using React, the Airtable API, and various data visualization libraries, making it simple for users to understand and communicate insights hidden in their data much more swiftly
- Designed and implemented critical features for an existing web application, including a secure sign-up page, payment integration, like buttons, and search functionality using Django and jQuery, increasing user engagement and satisfaction

Boston College Computer Science Department   **Boston, MA**

Research Assistant   *January 2021 – May 2021*

- Contributed to research on existing tools and best practices for making data visualizations accessible for people with visual impairments, culminating in a research paper presented at the CHI '21 conference
- Analyzed charts from news and academic sources and conducted interviews with visualization developers in order to better document the challenges and barriers to developing accessible data visualizations and web technologies

Software Engineering Course Teaching Assistant   *January 2020 – May 2020*

- Planned and lead weekly tutorial sessions for a group of 40 students to familiarize them with software engineering concepts and tools including Git, GitHub, Django, and SQLite
- Guided students in the development of semester-long web app projects via weekly office hours and 1-on-1 pairing sessions

SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS, Swift
Frameworks & Libraries: React, Node.js, Next.js, Nest.js, Vega, Vega-Lite, D3.js, Django
Databases & Cloud: PostgreSQL, Google Cloud Platform, AWS (RDS, S3, EC2, Lambda)
Tools & Platforms: Git, Github, Figma, Tableau, Vercel, Sentry, Mixpanel

EDUCATION

Boston College; Morrissey College of Arts and Sciences   **Boston, MA**

Bachelor of Arts in Computer Science, Minor in English   *May 2021*

- Graduated with Cum Laude honors