

William M. Thomas

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103 Summer St Unit 3, Somerville, MA 02143

Professional Experience

Projector by BigTime

Software Engineer I

Boston, MA: Jan. 2022 - Present

Software Engineering Co-op

Boston, MA: Jan. 2020 - June 2020

- Architected and implemented web interfaces and reusable components and behaviors using React, Redux, and CSS Modules
- Collaborated with developers, quality assurance engineers, and product designers to define project objectives based on the needs of customers
- Supported back-end architecture with modifications to ajax requests, server models, and stored procedures
- Onboarded and educated software engineer coops with regular check ins, code reviews, and training projects

Enel X

Systems and Analytics Intern

Boston, MA: Jan. 2021 - June 2021

Demand Response Program Operations Intern

Boston, MA: Jan. 2019 - June 2019

- Designed R and Python scripts which managed complicated data objects and saved hundreds of man hours for the Energy Markets team
- Maintained an open line of communication to collaborate with non-technical internal teams and to improve their understanding of R and Python tools
- Executed data quality checks with Salesforce Object Query Language (SOQL) to discover and correct anomalies for hundreds of customers to prevent penalties and non-standard payments

Other Experience

Khoury College of Computer Sciences

Teaching Assistant

Boston, MA: Sept. 2021 - Dec. 2021

- Fostered growth of student programmers by guiding them through fundamental computer science concepts
- Enriched understanding of programming design principles by reviewing and grading student code

Code4Community

Technical Lead

Boston, MA: May 2021 - Dec. 2021

Software Engineer

Boston, MA: Sept. 2019 - May 2021

- Implemented front-end and back-end of the 'Speak for the Trees' tree tracking application with Typescript React and Java Vert.x with ancillary libraries such as Redux
- Managed team goals by reviewing pull requests and tracking progress towards development milestones
- Deployed website to production using RDS with a PostgreSQL database, Elastic Beanstalk for the back-end, and Amplify for the front-end

Technological Skills

- Languages: Javascript, Typescript, HTML, CSS, C#, Java, SQL, R, Python
- Technologies: React, Git, .NET, PostgreSQL, SSMS, Lean, AWS, Linux, Microsoft Excel, Word

Education

Northeastern University - Khoury College of Computer Sciences

Boston, MA

- Bachelor of Sciences in Computer Science and Philosophy
- Honors: Magna Cum Laude, Dean's Scholarship

Dec. 2021