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SARAH C. DELANEY

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60 Hillside St #2, Boston, MA 02120

EDUCATION

Northeastern University, Boston, MA

September 2019 – May 2024

Khoury College of Computer Sciences

Candidate for Bachelor of Science degree in Computer Science and Mathematics

Honors:

GPA 3.91/4.00 | Dean's List | Dean's scholarship

Relevant Coursework:

Fundamentals of Software Engineering | Object Oriented Design

Algorithms & Data | Database Design | Theory of Computation

Logic & Computation | Artificial Intelligence | Matrix Methods for ML

COMPUTER KNOWLEDGE

Languages / Frameworks:

TypeScript | JavaScript | CSS | React | Node | SQL | Java | Spring Boot JPA | Maven | Struts | Python

Technologies:

Git | AWS | GCP | Postman | Datadog | Elasticsearch | Docker | Cypress | JUnit

WORK EXPERIENCE

WHOOOP, Boston, MA

July 2023 – December 2023

Web Developer Co-op

- Programmed and deployed frontend components for site-wide promotions, including dynamic, currency-specific banners, resulting in the most successful sales period in company history
- Conducted A/B testing on eCommerce sites using Datadog metrics and Amplitude tracking to measure success and user conversion, working with Product, Marketing, and QA teams to facilitate rollout
- Addressed technical debt in Java backend services for managing subscriptions and memberships by rewriting endpoints, fixing existing bugs, and abstracting duplicated code
- Authored detailed technical plans for full-stack projects, incorporating team feedback and implementing code changes
- Contributed to a rewrite of the Join flow website from Angular to Next.js, which was A/B tested in production

Clinical Research IO, Boston, MA

July 2022 – June 2023

Software Engineering Co-op

- Designed, built, tested, and maintained a new React component library used in all team's frontend applications
- Developed new Data Collection application with React and Spring JPA to preserve functionality of the legacy application
- Collaborated with UX, product, and development teams to finalize the first milestone of eSource rewrite initiative as the primary developer
- Investigated and resolved bugs in the legacy Java application, contributing to an initiative to enhance platform stability
- Presented achievements to the entire company (40+ employees)

PowerAdvocate, Boston, MA

July 2021 – January 2022

Software Engineering Co-op

- Created search filters in React app for PowerAdvocate's Supplier Search to enhance user experience
- Expanded supplier search microservice by syncing data from an Oracle database into Elasticsearch
- Crafted Elasticsearch queries to improve performance and accuracy of results based on search terms and filters
- Adapted supplier search functionality for seamless integration across products on PowerAdvocate's platform
- Presented new supplier search features and their business value at departmentwide Product Review meeting

COMPUTER PROJECTS

Personal Website (WIP: <https://sarah-delaney.github.io/>)

December 2022 - Present

- Built React webpage to display personal information and resume using Material UI and react-router-dom packages
- Deployed and hosted page through GitHub

Animator

November 2020

- Designed a Java program which reads command-line input and generates animation in specified format (svg, txt, GUI)
- Utilized Java Swing to create an interactive animation
- Visualized selection sort algorithm by writing a program which produces a file compatible with the Animator

INTERESTS

Guitar | Running | Ireland | French | Rugby | Skiing | Plants