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SARAH C. DELANEY

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github.com/sarah-delaney

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:	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

WHOOP, Boston, MA
Software Engineer   May 2024 – Present
Web Developer Co-op   July 2023 – December 2023
- Programmed and deployed frontend React 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 a technical plan for currency-specific promotions, addressed team feedback, then made updates to Postgres database, added endpoints to Java microservice, and updated frontend logic to account for the new type of promo code
- 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 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