Michelle Meredith

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Education

Northeastern University — Boston, MA *Sept. 2017—present*
Khoury College of Computer Sciences *exp. May 2022*
Candidate for B.S. in Computer Science and Economics, minor in Global Fashion Studies

Coursework	Object Oriented Design, Algorithms and Data, Database Design, Discrete Structures, Fundamentals of Computer Science I & II, Macroeconomic & Microeconomic Theory, Principles of Macroeconomics & Microeconomics
Activities	Alpha Epsilon Phi Fraternity, Northeastern University Women in Technology

Buckingham Browne and Nichols School — Cambridge, MA *Sept. 2013—Jun. 2017*

Coursework	Advanced Placement (AP) Computer Science, AP English Language and Composition, Computer Programming
Activities	Classical Ballet (14 years of training), *Perspective* (Yearbook: Co-Editor-in-Chief), *The Spectator* (Literary Arts Magazine: Editor)

Skills

Languages	Java, C#, SQL, HTML/CSS, JavaScript, Typescript, Rust
Software	Microsoft Visual Studio, IntelliJ IDEA, Eclipse, Processing, Microsoft SQL Server
Soft Skills	Communication, Organization, Collaboration, Writing, Extemporaneous Speaking

Projects

Employee Management System (EMS) — Boston Red Sox *Jan.—Jun. 2019*
C#, SQL, JavaScript, HTML/CSS; ServiceStack, SQL Server
- Developed a workflow application to manage and automate onboarding, termination, and job change processes for Red Sox employees
- Constructed backend that integrates with existing ADP data and captures company-specific practices such as "bulk-hiring" employees
- Personalized views to maximize individual efficiency for hiring managers and provide detailed process-status data to system administrators

Animation Generator *2018*
Java; IntelliJ IDEA
- Programmed an animation generator that reads animation descriptions from a .txt file with options to format and compose an SVG file or to display the animation

Music and Audio Visualizers *2016—2018*
Java; Eclipse, Processing
- Created visual effects which react to audio components of .mp3 files or input from an electric guitar
- Implemented various color themes and audio player features for user customization

Experience

Boston Red Sox, Software Engineer Co-op — Boston, MA *Jan.—Jun. 2019; Oct. 2019—present*
Application Development team
- Gathered requirements from product owners to construct a new Employee Management System, a workflow application used by employees in over 40 departments
- Utilized Typescript to extract over 700,000 records of customer-related data from a third-party API, cutting down the expected runtime by ~90%

Nordstrom, Software Engineer Intern — Seattle, WA *Jun.—Aug. 2019*
Product Ingestion Engine team
- Deployed load testing within the team's GitLab pipeline using Serverless Artillery
- Implemented autoscaling features with Kubernetes to minimize cost of inactive pods
- Tested architectural restructuring of platform that ingests product data

Interests

Guitar: self-taught, acoustic & electric | **Fashion:** sustainability, law | **Reading:** memoirs, modernist novels