

Sophia Momah

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Education

Drexel University
Master of Science in Computer Science
Software Engineering and User Experience
Philadelphia, PA
January 2025 - September 2026
4.0

Drexel University
Bachelor of Science in Computer Science, Magna Cum Laude
Software Engineering and HCI Concentration
Philadelphia, PA
September 2018 - June 2023
3.8

Skills

Programming Languages: C#, Python, SQL, Java, HTML, CSS, JavaScript
Tools/Software: Git, SQL Server, Figma, CI/CD pipelines, Selenium, .Net (MVC), Kendo, React, MySQL, AWS, Jira, Bootstrap
Development Methodologies: Agile (Scrum), TDD (Test-Driven Development), Waterfall

Experience

Susquehanna International Group (SIG) LLP
Software Engineer
Bala Cynwyd, PA
April 2023 - July 2024

- Developed multiple web applications for internal stakeholders using modern web technologies and .Net, focusing on delivering high-performance, scalable solutions.
- Utilized HTML, CSS, Javascript, MVC, and the Kendo UI library for robust design and development of web applications.
- Debugged large complex systems and applications, collaborating with team members to ensure high code quality and efficacy.
- Worked with stakeholders to define and refine feature requirements, integrating agile principles to continuously improve products based on user feedback and customer metrics.
- Managed and optimized data storage and retrieval using SQL to support efficient application performance.
- Developed and integrated APIs to facilitate seamless data exchange and enhance application functionality.
- Engineered solutions for archiving electronic communication, covering over 75% of all firm communication.
- Created a web application for management to efficiently process tickets, improving organizational productivity by over 20%.
- Employed GitLab for version control, integration, and code reviews, ensuring streamlined workflows and code consistency.

Amazon
Quality Assurance Engineer Intern
Seattle, WA
June - September 2022

- Designed, implemented, and upheld software test plans of Amazon Music features, focusing on quality improvement.
- Created and maintained automation scripts, modified test cases, and made changes for testing of new feature releases.
- Developed efficient test solutions and simple tools to minimize manual efforts, enhancing feature quality through automation.
- Troubleshooted automation issues and isolated bugs, aiding developers in root cause analysis for defect resolution.

Inspire Energy
Software Engineer Intern
Philadelphia, PA
March - September 2021

- Alternated between front-end and back-end roles in the Acquisition Services team delivering applications to stakeholders.
- Utilized HTML, CSS, and Javascript on the front end; however, made use of Ruby on the backend.
- Used the Agile methodology in day-to-day planning and participated in daily scrum meetings to discuss progress, identify roadblocks, and plan sprint tasks, contributing to enhanced team collaboration and project efficiency.

Susquehanna International Group (SIG) LLP
Software Development Automated Tester Intern
Bala Cynwyd, PA
April - September 2020 & March - June 2022

- Worked on the Corporate Systems team that focused on building applications used by the stakeholders of the firm.
- Acted as an automated tester alternating between using Selenium and TestComplete to write automated tests.
- Wrote tests in Python for applications made by colleagues on my team and set them to run on a schedule.
- Utilized SQL in working with the database and made use of API calls in testing some programs.

Project: CollabArt
Full Stack Developer
Philadelphia, PA
Sep 2022 - Jun 2023

- Led backend development for a gigapixel annotation application using Java, enabling annotation of high-resolution images.
- Implemented APIs for data exchange between frontend and backend, ensuring top performance for large image processing.
- Utilized AWS services including S3 for scalable image storage and Lambda for serverless computing.
- Optimized system architecture to handle large datasets, improving performance for zooming and annotating images.
- Delivered a fully functional application that met all project objectives and demonstrated proficiency for stakeholders.