Jenna Sayle

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EDUCATION

Miami University   **Expected 2023**

Bachelor and Master of Science in Engineering, Computer Science, GPA: 3.6   *Oxford, OH*
        Minor in Business Analytics

- Relevant Coursework: *Algorithms and Data Structures, Programming Systems, Distributed Systems, Discrete Mathematics, Operating Systems, Web Application Programming, Database Management Systems*

EXPERIENCE

Amazon   **May – August 2021**

Software Engineer Intern, Tag Policy, AWS Platform Identity   *Seattle, WA*

- Created a new workflow for **Tag Compliance Report Generation** using new service APIs to reduce the latency of report generation and the staleness of compliance data for AWS customers by 26% according to CloudWatch metrics. Solution deployed to Beta regions.
- Implementation successfully separates the workflow for Tag Policy Compliance Report generation into the Tag Policy account, no longer depends upon processes running in another team, named TSM.
- Workflow is focused on efficiency, frugality and scalability, and optimized via Elastic Map Reduce services (*Cloud Development Kit, Lambda, DynamoDB, Athena, Step Functions, EMR, CloudWatch*, S3, IAM).

Amazon   **May – August 2020**

Software Engineer Intern, Payment Method Delivery, Amazon.com   *Remote*

- Developed a **Payment Processor Availability Service** to update the amazon.com checkout page UI to inform customers of third-party banking services outages (Bank of America). Deployed to Beta.

INVOLVEMENT

Women's Cross Country and Track and Field   **August 2019 - Present**

Student Athlete   *Oxford, OH*

- Dedicate 20+ hours per week to practice, race traveling, strength and conditioning, and team meetings while maintaining a full academic course load.
- Competed in the 2020 Mid-American Conference Cross Country Championship and placed third as a team.

Pi Sigma Epsilon Professional Business Fraternity   **August 2020 - Present**

Active Member   *Oxford, OH*

- Worked on a team to propose a marketing and product solution to CVS Pharmacy to help them engage the Generation Z audience in the midst of the COVID pandemic.
- Proposed solution to CVS panel of representatives and received a second-place rank out of all competitors.

PROJECTS

- **AFE Hackathon** (*Medalist*, *3rd place*): Created an Amazon Alexa Skill designed for interns to aid with the onboarding process. The audio tour skill introduces interns to different characters, defines roles and expectations and supports a variety of user input through different paths of a decision tree *(Alexa Developer console)*.
- **SQL-Lite:** Created a web-hosted Database Management System that allowed users to add, remove, view and Query entries via hosted User Interface or the Command line. Program was efficient and performant, implemented via multithreading *(C++, JavaScript, HTML)*.
- **Weather Web Application**: Created a multipage, user-friendly site hosted on Amazon EC2 that utilized the Open Weather API to provide location information based on zip code, 7-day forecasts for any location, and stored all requests in a database. Users could query these entries using date and the page would update with well formatted query results, made with special ordering (*EC2, JavaScript, HTML, PHP, Bootstrap, CSS, SQL, DDB*).

SKILLS

- **Programming:** Java, Kotlin, C++, Python, TypeScript
- **Web Development:** PHP, SQL, HTML, CSS, JavaScript
- **AWS:** Cloud Development Kit, Elastic Map Reduce, Lambda, S3, Dynamo DB, Simple Notification Service, Step Function, CloudWatch Event logs and Event rules,
- **Misc.:** AWS, Pandas, *unit testing* (Mockito)