Ana Boccanfuso

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EDUCATION

University of South Carolina Honors College | Columbia, SC   August 2020 - December 2023
B.S.C.S. Computer Science, Minor in Data Science   *Cumulative GPA: 3.99*
Dean's List 2020-2023
Summa Cum Laude

SKILLS & TECHNICAL TOOLS

Languages: Python, Java, C++, HTML, CSS, R, JavaScript, SQL
Technologies: AWS, Django, ReactJS, Jupyter Notebook, Tableau, Figma

EXPERIENCE

Software Development Engineer I | Amazon Web Services (AWS)   *May 2024- Present*
- Led a key project to improve data collection processes for monitoring power efficiency and device health in data centers
- Enhanced the reporting mechanisms for power efficiency, ensuring peak availability across 400+ data centers
- Collaborated with cross-functional teams to implement solutions that streamline data reporting and error detection.
- Utilized technologies such as EC2, Kinesis, and S3, to drive improvements in data accuracy and performance.

Software Development Engineer Intern | Amazon Web Services (AWS)   *May 2023- Aug 2023*
- Enhanced Amazon One devices in 400+ locations for payment transactions
- Transmitted, classified, and displayed performance information in a dashboard to troubleshoot real-time errors
- Created an MQTT client to communicate payment device health from IoT clients to cloud
- Initiated cross-team meetings and communications to successfully integrate important device changes

Software Engineer Intern | Van Robotics   *May 2022- Aug 2022*
- Built an API to expand over 100 robotic social behaviors using Python and HTML
- Created local and remote websockets for use in robots to interact with the API

PROJECTS

FlashDash | *Python, JavaScript, HTML, Django, ReactJS, PostgreSQL, CSS*
- Webapp for users to create and study quiz sets
- Digital flashcards and personalized quizzes
- User profile consisting of quiz analytics, recently viewed, and saved sets
- Search engine for school, class, and related subjects
- UX/UI optimization including personas, design, requirements, research, architecture, security, proof of concept, and testing

Spotify Data Analysis | *R, Tableau, HTML, CSS*
- Collected and aggregated user data to create visualizations and conduct pattern classification to identify music trends
- Analyzed Spotify data to create a dashboard showcasing listening frequencies categorized over time and by artist