

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: Java, C++, Python, HTML, CSS, R, JavaScript, SQL, MIPS

Technologies: Django, ReactJS, Jupyter Notebook, Tableau, Figma, VS code

Certifications: UX Design Google Certification

EXPERIENCE

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

Internship Job Board | *Java, JSON, SCRUM, design patterns, UML creation, unit testing*

- Inquiry-based interactive application to search, apply for internship opportunities, and leave employer reviews
- Student profile creation to highlight key skill sets and experiences for prospective employers
- Employer profile creation to post open positions and recruit for open listings