

Sophie Azula

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EDUCATION

University of South Carolina, Honors College

Bachelor of Science in Computer Science, Minor in Spanish; GPA: 3.88

Columbia, SC

May 2024

RELEVANT COURSEWORK

Advanced Programming Techniques
Mobile Application Development

Algorithmic Design I & II
Software Engineering

Data Structures & Algorithms
Unix/Linux Fundamentals

PROFESSIONAL EXPERIENCE

HI3 Tech Lab, University of South Carolina

Undergraduate Research Assistant

Columbia, SC

Aug 2022 – Present

- Utilized human-computer interaction research methodologies to conduct 20 usability tests for a Rubik's cube web app and contributed to the development of feedback-driven UI/UX improvements using JavaScript and HTML.
- Integrated a chatbot feature into a smoking-cessation Android mobile app using Java, XML, and Cloud Firestore data management, to be tested in patient trials in collaboration with Washington University.
- Co-developed the HI3 Tech Lab website using React.js for web development and JSON for data management.

GEICO Technology Solutions

Software Engineering Intern

Remote

Jun 2023 – Present

- Created Power BI reports and Azure Workbook data visualizations using Kusto Query Language.
- Designed effective report UIs to optimize end user experience using wireframes and regex-mocked data.
- Contributed to documenting project specifications, APIs, and technical processes to aid future development and team members.

College of Engineering and Computing, University of South Carolina

Undergraduate Teaching Assistant (Algorithmic Design I & II)

Columbia, SC

Jan 2022 – Jun 2023

- Enhanced students' understanding of class material for introductory Java courses by offering 25 supplementary learning sessions per semester.
- Communicated articulately with students to resolve errors and conceptual misconceptions, providing additional material when needed.

Markel Insurance

Information Technology Intern

Glen Allen, VA

May 2022 – Aug 2022

- Implemented Agile and SCRUM project planning methodologies to create a Python program to validate data file schemas, executed using Azure Functions.
- Analyzed requests and built queries in ServiceNow's CMDB Query builder to generate performance reports.

TECHNICAL SKILLS

Expert: Microsoft Azure Fundamentals (AZ-900 Certification)

Advanced: Android Studio, Java, Excel, Power BI

Intermediate: Bash, C++, CSS, Figma, GitHub, HTML, JavaScript, Kotlin, Python, React.js, Spanish (Seal of Bilingualism)

Novice: AWS Cloud Service, DAX, Git, Haskell, KQL, Postman API, PowerShell, R, Swift, SQLite, Xcode

ACTIVITIES & INVOLVEMENT

Theta Tau (Zeta Delta) Fundraising Chair

Jan 2023 – May 2023

Chi Omega (Eta Gamma) Career & Professional Development Cabinet Member

Jan 2021 – May 2023

Honors College Peer Mentor

Sep 2022 – Dec 2022

Society of Women Engineers Marketing Committee Member

Sep 2020 – Dec 2021