

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.

College of Engineering and Computing, University of South Carolina

Undergraduate Teaching Assistant (Algorithmic Design I & II)

Columbia, SC

Jan 2022 – Present

- 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.

GEICO Technology Solutions

Software Engineering Intern

Remote

Jun 2023 – Aug 2023

- 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 documentation of project requirements, Azure REST API implementation, and software service pipelines to aid future development and team members.

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