SOPHIA BOGERT

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Education

University of Southern California, Viterbi School of Engineering December 2023
Bachelor of Science, Computer Science
Minor: Digital Entrepreneurship

- Relevant coursework: Product Design, Computer Graphics, Video Game Development

Skills & Certifications

Programming Languages – C#, Javascript, HTML, CSS, SQL, Python, C++, Java, C
Software/Frameworks – ASP.Net, React, Amazon Web Services, Git/GitHub/GitLab, Jira, Vue
Certifications – CompTIA Security+

Work Experience

Software Engineer April 2024 – Present
Lockheed Martin – Colorado Springs, CO

- Selected to join a new project to lead design and frontend development of a .Net website
- Took charge by leading a team for an SGML-to-HTML conversion project, using ASP.Net

Software Development Intern June 2023 – August 2023
Lockheed Martin – King of Prussia, PA

- Rebuilt a program's website that provides live status of weather satellites around the world leveraging data from a Microsoft SQL database, moving site from ASP.Net framework to React
- Redesigned the look and feel of new website to provide a better user experience

Systems and IT Intern June 2022 – December 2022
Sunderstorm Inc. – Van Nuys, CA

- Designed a pdf scraping desktop application, and a Flask web application to optimize administrative and production processes within the company
- Introduced a multitude of integrations between Slack, Acumatica, and various other 3rd-party APIs by building Slack apps using AWS Lambda

Projects

MoveIntel Website (Javascript) December 2023

- Collaborated with MoveIntel founder and a team of 2 other developers to build a website for practitioners to provide remote physical therapy care to their patients effectively
- Data was managed with Firestore and AWS S3, website used a VueJS framework

Parkour's Edge (C++) November 2022

- Built a multi-level parkour video game using object-oriented programming with SDL library to employ a custom physics engine and collision detection

Naive Bayes' Classifier (C++) May 2021

- Developed a simple Naive Bayes' Classifier to take in files of data for training, and calculate probability for classifications of objects based on given descriptions

Leadership & Involvement

Women's Rowing Team August 2019 – January 2022
Division 1, University of Southern California

- Elected Sophomore and Junior Class Representative by teammates, 2020-2022
- Elected Trojan Athletic Senate Member by coaching staff, 2019-2020