Jali Purcell

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Senior at Drury University studying for a dual degree in Software-Engineering and Spanish, interested in full time work opportunities in software engineering, data science, and cyber-security. Internship experienced with C#, Azure Functions, MySQL, and SSRS.

Accomplishments

- Chair Award for Outstanding First Year in Computer Science
- Willard L. Graves Award in Mathematics
- First place in the CCSC: CP Hackathon for React Native: Digifarm Marketplace
- ACTFUL Oral Proficiency Interview in Spanish: Intermediate High (2023)
- Missouri Bright Flight Recipient

EDUCATION

Drury University Junior, 3.99 GPA   August 2022 – May 2024

- Bachelor of Science: Computer Science Software Engineering
- Bachelor of Arts: Spanish
- Minoring in Cyber Risk Management
- Certificates in Intercultural Connections and Data Analytics

WORK EXPERIENCE

Associated Electric Cooperative Inc. – Programming Intern   May 2023 – Present

- Utilize SSRS to optimize the daily generation report sent to the Board of Directors
- Update existing Web UI and Web API to optimize business partner experiences
- Create custom C# Azure Functions for uses such as Microsoft Graph API and ETL processes in Azure

Institutional Research, Drury University– Student Assistant   October 2021 – May 2023

- Wrote SQL queries and Excel formulas to produce student information for university employees
- Ran biweekly, R-programming reports on student enrollment and credit-to-revenue

Technology Services, Drury University– Student Assistant   January, June – August 2022, January 2023

- Installed new IP phones for staff and reported the status of hardware such as wireless access points and Cisco switches.
- Implemented solutions for cable management in labs to enhance student workstation experience.

LEADERSHIP

Math and Computer Science Club   President

- Create educational and social monthly meetings including guest speakers and in-house hackathon.
- Manage club materials such as allocations, audits, and club renewals for 2 years as president.

Drury University Television   President

- Camera operation, editor, and director of photography for the inaugural film festival

Technical Skills

- C#: High intermediate level, professional projects including API calls and ETL processes
- Azure DevOps: High intermediate level with Azure Functions, Storage Solutions, and version control using Git
- Python: Intermediate level with coursework involving Machine Learning, AI, and Data Analytics packages
- Agile Software Development: Classroom and work experience with sprints, ceremonies, unit testing, and user testing
- SQL: Two professional experiences writing SQL queries, and class project experience using MySQL
- HTML & CSS: Fundamental knowledge of best design practices
- Javascript: Intermediate level experience including React and React Native