

Kajoyrie Purcell

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EDUCATION

Florida State University

Bachelor of Science in Computer Science, Minor in Mathematics (GPA: 3.5/4.0)

Tallahassee, FL

Aug. 2019 - Dec. 2021

EXPERIENCE

Software Engineering Intern

Jun. 2021 – Present

Amazon

Seattle, WA

- Developed severless full stack web application to validate data against dynamic configurations, leading to a decrease in time to deploy data by 90%.
- Designed front end of web app using HTML, CSS, JavaScript, React, and TypeScript.
- Created custom REST API using API Gateway endpoints and Cloud Development Kit (CDK).
- Implemented back end business logic using AWS Lambda in Java, a custom REST API and S3 for static storage.
- Planned, created and maintained all documentation to increase efficiency in collaboration for project tasks.

Software Developer Intern

Sep. 2020 – Feb. 2021

GeekSI

Tallahassee, FL

- Developed an ETL Pipeline using Python to enhance business processes leading to a decrease in manual data extraction by 83%.
- Conducted Scrum meetings and code reviews in a collaborative Agile environment.

University Ambassador

Jan. 2020 – Present

Florida State University

Tallahassee, FL

- Lead and oversee groups of 1-20+ people on tour throughout campus facilities.
- Advise over 10+ prospective parents and students daily on enrollment, and handle questions about the university.

PROJECTS

International Genetically Engineered Machine | *HTML, CSS, JavaScript*

May 2020 - Nov. 2020

- Spearheaded the development of a web application to display information based on 6+ months of research on preventing spread of antibiotic resistant bacteria in waterways.

Flixster | *Java, Android Studio* | Github

Feb. 2021

- Developed an Android app to view a list of over 15+ movies sourced from the The Movie Database API.
- Implemented the Youtube Android Player API to allow users to watch the trailer for the movie in the app.

Twitter Clone | *Java, Android Studio* | Github

Feb. 2021

- Created an Android app that is a simple clone of the app 'Twitter'.
- Users are able to login to the app using the TwitterAPI and OAuth protocol.
- Developed functionality to compose and post a new tweet to the timeline by utilizing the Twitter REST API.

Pacman | *Python, Pygame, SQLite3* | Github

Apr. 2021

- Built the popular game, Pacman, using Python and the Pygame library.
- Stored high-scores in SQLite3 database to enable persistent storage.
- Incorporated Breadth-first search (BFS) which allows for enemy AI to find shortest path to Pacman.
- Optimized performance by employing the cProfile and pstats libraries.

Shopping Cart App | *C#, UWP* |

May 2021

- Developed a UWP app in C# to allow users to view a inventory, cart, and receipt.
- Implemented a custom local web API to consume inventory and shopping cart data through JSON serialization.
- Created user-friendly UI to maximize usability of the app.

TECHNICAL SKILLS

Languages: Java, Python, C++, C#, HTML/CSS, React, TypeScript

Databases: SQLite3, S3 Bucket, Firebase

Tools: AWS Lambda, Cloud Development Kit (CDK), Git, CI/CD Pipeline