Cayla Seaman

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EDUCATION

Bachelor of Science in Computer Science, May 2021, Purdue University, West Lafayette

TECHNICAL SKILLS

- **Web Development –** Python, HTML, CSS, JavaScript, React, Flask
- **Test Automation –** JUnit, Bash
- **Database Design –** MongoDB, MySQL, Cloud SQL
- **Curriculum Development –** Java, HTML, Junit, Technical Writing, QA

WORK EXPERIENCE

Software Engineer Intern, Discover Financial Services, Riverwoods IL, Summer 2019, 2020
- Collaborated with team members to create Java solutions that eliminated vulnerabilities and resolved code faults
- Updated batch job scripts to comply with security and technical standards
- Integrated Mockito with JUnit tests to preform REST calls, increasing code coverage by 50%
- Completed sprints in an agile work environment utilizing a Scrum management system

CS Developer, Purdue University, West Lafayette IN, 08/2019 – Present
- Implemented labs, walkthroughs, and homework assignments for CS180 Programming I course using Java, JUnit, Vocareum and Bash Scripts
- Developed projects for CS251 Data Structures and Algorithms centering around Stacks, Queues, Hashmaps, and Sort Algorithms
- Designed semester long project scope for CS307 – Software Engineering

Java Teaching Assistant, Purdue University, West Lafayette IN, 2018 – Present
- Communicated with students who had questions during lab times and office hours to provide clear explanations of detailed code issues
- Debugged programs in a time efficient manner with minimal context to resolve technical and logic errors
- Analyzed code to manually grade work and provide useful feedback

Quality Engineering Intern, Riverside Manufacturing, Fort Wayne IN, Summer 2016, 2017, 2018
- Solved verification errors within software to reduce false failure rates by 100%
- Designed a simulation in C# to model how a product functioned to present to potential clients
- Trained new interns by meeting with them to review their work with writing directions for new procedures to maintain Quality Assurance

PROJECTS

- **Custom Spotify Playlist Script** – A Python script that takes songs from your Discover Weekly as well as your Release Radar and puts them into a custom playlist
- **Personal Website** – My personal portfolio website developed with HTML and CSS from scratch
- **Habit Tracker App for iOS** – An application created with Swift to track streaks for Habits along with other features such as data analysis, to-do lists and notifications
- **Computer Task Manager** – A GUI made with C and GTK to display computer analytics for Linux Systems