

# Jacob Slagle

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## PROFESSIONAL EXPERIENCE

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### Unknown Cyber, Inc.

June 2022 – August 2022

*Software Engineer Intern*

- Technologies Used: Cypress.io, JavaScript, Confluence, Jira, Bitbucket, Slack
- Responsible for writing automated tests in JavaScript using Cypress
- Utilized Jira for managing tickets and updating task progress
- Wrote detailed documentation for future onboarding development environment set up

## PROJECT EXPERIENCE

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### PetHaven (CGI Project)

*Lead Java Developer, 2023*

- Technologies Used: Java, SpringBoot, JavaScript, HTML/CSS, Stripe API, GitHub, Jira
- Created a web application to collect donations for a generic non-profit client
- Used Spring to create the web application and integrated Stripe API through a custom payment page
- Presented final product to clients at CGI and provided a live tech demo

### Software Methodology

*Software Developer, 2022*

- Technologies Used: Django (Python), JavaScript, GitLab CI/CD, Heroku, BootStrap
- Created audio sharing social media website for artists
- Used agile software methodologies for planning, implemented using the Python-based Django framework, tested with GitLab CI/CD, and deployed with Heroku
- Responsible for website design and implementation of uploading and displaying audio files

### Virtual Memory Implementation

*Software Developer, 2021*

- Technologies Used: C/C++, Shell Scripting, Linux (VirtualBox), GitHub
- Responsible for team management, implementation of a memory management system to mark free bits on the hard drive for serializing pages of program code, and ensuring programs can run on virtual memory through manual testing
- Reviewed team members' code to search for possible issues and provide clear feedback when needed
- Responsible for writing, debugging, and documenting code to ensure clear communication between all team members

## EDUCATION

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### University of Louisiana at Lafayette

May 2023

*Bachelor of Science - Computer Science, Concentration in Cybersecurity*

- Honor's Society: 2018 - 2020
- Dean's List: 2023

## TECHNICAL SKILLS

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**Languages Proficient in:** Java, Python

**Experience in:** C++, SQL, JavaScript (ES6+)

**Exposure to:** HTML, CSS

**Developer Tools:** Git, Spring Boot, Docker, Cypress.io