

Silas Setterstrom

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Education

University of Wisconsin – Madison

Bachelor of Science in Computer Science and Political Science - GPA: 3.85/4.00

Madison, WI

Fall 2017 - May 2021

Professional Experience

Data Integration Intern

May 2019 – August 2019

Colony Brands, Inc.

Monroe, WI

- Led development on project with another intern to port an existing application for running JCL jobs onto AWS.
 - Used an Amazon DynamoDB Stream to refactor and streamline the process of running a job and added a new feature to allow automatic chaining of jobs.
 - Modified an existing Java API to allow users access to error logs when a job fails.
 - Added a feature to email users when they need to take action on a job using an Amazon SES template.
 - Re-designed website front-end using Vuetify to utilize a component library to make future feature development faster and make the user experience consistent.
 - Created a new feature in Python allowing one user input to retrieve many attributes from the backend, which saved time and reduced errors by eliminating the need for extraneous input.
- Wrote backend code that had 100% unit test coverage; used a multi-environment development workflow iterating in dev and promoting to production after a peer review process using version control.
- Delivered a “tech talk” to the department on how we utilized AWS services to develop our application.

Data Integration Intern

May 2018 – August 2018

Colony Brands, Inc.

Monroe, WI

- Designed and developed an application to provide definitions for all tables and columns in the company’s database (with one other intern).
 - Engineered key features such as the searching functionality in Node.js and many of the frontend features and aesthetics in Vue.js.
- Performed operations on the database using MySQL
- Learned how to work efficiently on a software development team using an agile framework.

Skills

- Java – 1 work project, 3 semesters
- Python – several work projects
- JavaScript/HTML/CSS – several work projects
- C/C++ – multiple school projects
- SQL – multiple work projects, 1 semester

Technologies

- AWS services: DynamoDB, Lambda, CloudWatch, S3, CloudFormation, ECS, and Cloud9
- Git
- Vim
- Vue.js

Other Experience

Leadership Team

May 2019 – Present

Pres House

Madison, WI

- Created agenda and led meetings of the Student Leadership Council.
- Met with other members one-on-one to receive feedback and evaluate how we can improve.

Board of Directors

July 2018 – June 2019

Pres House

Madison, WI

- Learned about the inner workings of the organization and made decisions to further Pres House’s mission of providing a welcoming spiritual home for students and young professionals in Madison.
- Provided feedback from the perspective of a student to help the organization make more informed decisions.