

James Vanderburg

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Education

Texas A&M University, College Station, Texas — Fall 2015 - Spring 2019

Graduated in May 2019 with a Bachelor of Science in Computer Science.

GPA: 3.431 (in major), 3.400 (overall)

Selected Electives: Software Engineering, Scripting Languages, Artificial Intelligence, Human-Computer Interaction, Computer and Network Security

Experience

• **Software Engineer, USAA; Plano, Texas — September 2019 - Present**

- Working with USAA's Enterprise Content Management and Generation team to support all member-facing operational communications.
- Using Spring Boot (both Spring MVC and Spring Webflux), Kafka, SQL databases, and Cassandra to build a mass communications service to reach all of USAA's membership within an hour.
- Using React, Redux, and Jest to build and maintain a frontend for our mass communications service for users to schedule, send, and track the status of mass communication jobs.
- Using Cypress to automate our suite of end-to-end tests for our mass communications service.
- Practiced test-driven development, and learned Groovy and Spock for better testing in our Spring Boot microservices.
- Won Honorable Mention for an internal USAA hackathon. Wrote a small amount of Go tests for a project with the goal of implementing externalized configuration with Spring Cloud Config that would be able to work with USAA's infrastructure.
- Refactored a microservice in our mass communications system from Spring Webflux to Spring MVC.
- Helped with the implementation of Kafka Events to allow teams throughout to company to track the status of their message requests.

• **Software Development Intern, Gaslight Software; Cincinnati, Ohio — May 2018 - August 2018**

- Built a scheduler single-page app for Gaslight's internal team application, using React and Rails to create a responsive calendar to give employees greater visibility into Gaslight's ongoing projects and employee assignments.
- Participated in user story mapping, learned React on the job, wrote RESTful APIs, and built ActiveRecord and ActiveModel objects to create the scheduler. Performed ActiveRecord query optimization, collaborated with a designer, and pair programmed with other interns daily.

Recent Project Work

- Built a Ruby on Rails application for Fish Camp (Texas A&M's freshman orientation program) to help streamline their counselor application review process. Built a site where staff members could write interview transcripts, review applications, and keep track of their preferred applicants with a rating system.

Skills

- **Programming Languages:** Ruby, JavaScript, Java, Groovy
- **Web Technologies:** Ruby on Rails, React, Redux, Spring Boot, Spring MVC, Spring Webflux
- **Tools & Platforms:** RSpec, Jest, Cypress, Git, GitHub, GitLab, Heroku, Spock, JUnit, Kafka
- **Interests:** Elixir, Phoenix, Clojure