

# Thomas Hawley

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## SUMMARY

As a Software Engineer with a robust background in biotechnology, I bring a unique blend of analytical acumen and creative problem-solving to the table. With a history of meticulously analyzing and optimizing complex business processes, I've consistently delivered significant improvements, including faster turnaround times and enhanced operational efficiency. I'm currently seeking a dynamic and challenging role that allows me to leverage my software engineering skills while continuing to innovate and refine processes.

## SKILLS

**Languages & Frameworks:** Ruby, Rails, HTML, CSS, ActiveRecord, Postgresql, SQL

**Testing:** RSpec, Pry, WebMock, VCR, Capybara, FactoryBot, Faker, Pytest, CircleCI, GitHub Actions

**Systems & Practices:** Git, GitHub, GitHub Projects, Object-Oriented Programming (OOP), Test Driven Development (TDD), Unit & Integration Testing, RESTful APIs, Model View Controller Architecture (MVC), Service Oriented Architecture (SOA), SRP, AWS S3, Render, Heroku, Postman, Sidekiq, TailwindCSS, Redis, Hotwire, Stimulus

## PROJECTS

**BookHaven (6-person group) | Python - Django | [Repository](#) [Deployed Link](#)**

- Developed a server application to track and update book inventories of Little Free Libraries in Denver, CO.
- Utilized project planning through Miro, Agile workflow, and a JSON contract in a full-stack team to build an SOA application.

**Sweater Weather (solo) | Ruby on Rails | [Repository](#)**

- Developed a server application utilizing Rails 7, implementing Test-Driven Development (TDD) and creating a Restful API.
- Designed and implemented endpoints for a road trip feature, providing weather information at the destination, while considering timezones.

**PlayPal (4-person group) | Ruby on Rails, HTML, CSS, Active Record | [BE-Repository](#) [FE-Repository](#)**

- Implemented Rails 7, Postgresql to build an SOA web application that provides users with a playground near their location, along with additional functionality such as comments/ratings and uploading photos with AWS S3.
- Developed features with a test-driven approach and documented the application through the README in the repository.

## EXPERIENCE

**Software Engineer (Ruby on Rails) | Software for Research | September 2023 - Present**

- Contributed to the development of software for clinical research in the behavioral sciences at academic institutions.
- Engaged in both collaborative and independent tasks as a full-stack engineer.
- Participated in code reviews with senior engineers and implemented feedback.
- Actively contributed to feature planning by offering valuable suggestions and seeking clarification through questions.
- Enhanced administrative and technical user functionality through the implementation of automation processes.

**Software Engineer Intern (Ruby on Rails) | Turing School of Software and Design | August 2023 - January 2023**

- Collaborated on admin-facing features and background jobs using Sidekiq/Redis.
- Worked in an agile team and agile ceremonies such as backlogs and retros.
- Implemented feedback from senior developers.

• Ensured code passed through all quality gates through development and production

**Genomic Technologist in Oncology | Invitae | Golden, CO | January 2020 - November 2022**

- Designed a tracking tool to analyze data and trend assay/equipment metrics that decreased the number of run failures.
- Primary Trainer for new technicians in a Cap/Clia lab.

**Operations Processing Technician | Allosource | Centennial, CO | July 2018 - December 2019**

- Interpreted product specifications and applied company protocols.
- Adhered to Good Documentation Practices for processing records.

**Process Technician II / Decontamination Team Lead | Dupont | Palo Alto, CA | June 2012 - February 2017**

- Developed policies and personnel for a more robust training platform.
- Designed and standardized data input for clearer communication between scientists.

## EDUCATION

**Certificate of Completion in Back-End Engineering | Turing School of Software & Design | Denver, CO | January 2023 - August 2023**

- 1,500 hours of programming experience over an 8-month intensive, ACCET-accredited software development program

**Bachelor of Science (B.S.) - Biology Sciences | University of Central Oklahoma | Edmond, OK | 2012**