

GRACE JOH

📍 Dallas, Texas ✉ graceehjoh@gmail.com 📞 469-426-5960
🔗 github.com/grace-joh 🔗 linkedin.com/in/graceehjoh

SUMMARY

As a software engineer with a background in teaching high-school math, I bring innovative problem-solving, analytical thinking, and communication skills to the table. I can break down complex ideas into tangible concepts, organize big-picture visions with detail-oriented actionable steps, and work collaboratively in diverse teams to design user-centric applications.

KEY SKILLS

Ruby-on-Rails | RSpec | PostgreSQL | SQL | REST API | ActiveRecord ORM | OOP | MVC Architecture | Git | GitHub | Agile | CI/CD | HTML5 | CSS3 | JavaScript | Relational Database Design | TDD/BDD | Heroku | OAuth | Postman | Miro | Canva | Figma | Notion

PROJECTS

RentInform *(Demo Video)*

4 Person Team | 120 hours

Service-oriented application for prospective renters to find code-compliant properties in Philadelphia, PA

- Won first place in the Turing School Demo Competition.
- Spearheaded the planning and management of designing and building software architecture, user flow, visual wireframes, and user-facing features for an MVP with an MVC design within an Agile workflow, leveraging CI/CD.
- Utilized Sidekiq and Redis for background job processing to sanitize and import a 500,000 record CSV into a BE database.
- Integrated Google OAuth for user authentication.

Technologies: Ruby-on-Rails, PostgreSQL, RSpec, CircleCI, Sidekiq, Redis, TailwindCSS, Postman, Google OAuth

BookHaven

6 Person Team | 70 hours

Mobile-friendly online resource for discovering books and managing inventory of Free Little Libraries

- Self-taught Python and Django in a limited timeframe to build a back-end service exposing RESTful endpoints.
- Collaborated on a JSON contract with the front-end team and implemented a Postman mock server to minimize blockers while building both sides of the stack simultaneously.
- Implemented team designs made in Canva to style front-end components, as well as button logic using React Router.

Technologies: Python, Django REST framework, PostgreSQL, Pytest, React, HTML, CSS, Github Actions, Heroku, Canva, Miro

EXPERIENCE

Math Educator

August 2017 - December 2020

Winfrey Academy Charter School, Richardson Campus

- Initiated, developed, and implemented a "Math Lab" program to measure student readiness for the state math assessment exam and to provide supplemental instruction, boosting the campus passing rate from 19% to 50%.
- Developed and facilitated in-class learning experiences for over 200 students to meet various needs and learning styles while re-engineering tactile learning activities with online technologies during the emergency transition to online learning during the Covid-19 pandemic.
- Collaborated with a team of multi-disciplinary teachers and special education paraprofessionals to modify and adapt the curriculum for special population students to enhance classroom behavior and engagement.
- Awarded 2019-2020 Campus Teacher of the Year & District Teacher of the Year.

Store Manager

December 2020 - March 2022

TeaLette Bar

- Maintained high standards of customer service with prompt conflict resolution during high-volume, fast-paced operations.
- Created a standardized system for employees to easily meet daily expectations to improve business operations.

EDUCATION

Certificate of Back End Engineering

Turing School of Software and Design, August 2023

- Seven month ACCET-accredited program with 1500+ hours of backend software development experience

Bachelor of Arts in Mathematics

University of Texas at Arlington, May 2017

- Two time recipient of the NSF Robert Noyce Teacher Scholarship