

# Gregory Isales

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## SKILLS

**Languages:** Javascript, Python, SQL, HTML, CSS

**Frameworks/Tools:** React, Redux, Express, NodeJS, Flask, Sequelize, PostgreSQL, SQLAlchemy, Git, Mocha, SQLite3, Docker, Heroku, JSON, Postman

**Key Skills:** Troubleshooting, Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Project Management

## Software Engineering Applications

**Festival Conxtn** | (React, Redux, NodeJS, Express, Sequelize, PostgreSQL, ReST API)

[live](#) | [github](#)

A full-stack app that allows users to discover music festivals and connect with other attendees.

- Built a custom Express-based RESTful API with comprehensive error handling and optimized data retrieval via Sequelize's ORM for efficient frontend-to-backend communication.
- Leveraged geographic data and the OpenStreetMap API to create custom map components for each festival page.

**OpenTable Clone** | (React, Redux, Flask, SQLAlchemy, WTForms, PostgreSQL)

[live](#) | [github](#)

A full-stack app where users can make reservations and leave reviews for restaurants.

- Managed reservations and reviews CRUD through custom transactional database operations using PostgreSQL.
- Incorporated custom client-side form validations on the frontend to avoid unnecessary AJAX requests, as well as custom data validations on the backend for superior data quality and integrity.

## EXPERIENCE

Online Instructional Assistant

App Academy | Nov 2022 - Present

- Conducted interactive lectures and review sessions for a cohort of 15-30 students, covering programming fundamentals, JavaScript, Python, HTML, CSS, SQL, web frameworks and libraries, as well as Data Structures & Algorithms.

Computer Science Expert for AI Training

Scale AI | June 2023 - Present

- Collaborated on multiple projects aimed at training Large Language Models (LLMs) by actively engaging in prompt design, response generation, and performance evaluation, with a focus on Python data science libraries such as Pandas, Matplotlib, and NumPy.

CRM Support Specialist / Project Manager

iSales Solutions, L.L.C. | Sept 2018 - Nov 2022

- Provided Customer Relationship Management (CRM) software recommendations and customized the configuration of that software to meet client needs.
- Utilized webhooks and APIs to enable data-sharing and efficient automation between different applications in clients' technology stacks.

Licensing Coordinator

Cognella, Inc. | July 2019 - July 2022

- Managed content licensing for 100+ projects a year, with over 95% of projects at or under budget.
- Created and maintained custom Microsoft Excel macros used across multiple teams to facilitate efficient and accurate data transfer into and out of our CRM software.

Undergraduate Researcher

University of South Carolina | Feb 2013 - April 2015

- Analyzed large datasets from high-content screening assays using Microsoft Excel macros and SPSS.
- Published 1 peer-reviewed journal article as the lead author, and 3 articles as a co-author.

## EDUCATION

App Academy - Immersive software development course with focus on full stack web development | Sept 2022

University of South Carolina Honors College - B.S. in Marine Science, Cum Laude | Columbia, SC | May 2015