

Bret Rosen | Full Stack Developer

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TECHNICAL SKILLS

Python, SQL, SQLAlchemy, Flask, PostgreSQL, JavaScript, React, Redux, Sequelize, Express, Pair Programming, Object-oriented Programming (OOP), Test-driven Development (TDD), Agile Web Development, Debugging, HTML, CSS

PROJECTS

Debate My Professors, Full Stack Project - React | Flask | Agile

[Live Link](#) | [GitHub Repo](#)

A clone of the website Rate My Professors populated by historical academics.

- Designed a SQL-compatible database in SQLAlchemy that allows users to review professors and courses.
- Added a debate feature that allows users to simulate a DnD style debate/combat using aggregate review data.
- Utilized the random module in Python to generate a robust database of professors/courses and reviews.

Foxtrot, Full Stack Project - React | Flask | Agile

[Live Link](#) | [GitHub Repo](#)

A clone of the website Robinhood.

- Employed version control via GitHub to collaborate with two other team members, using a modular approach to separate project features while maintaining best practices for agile workflow.
- Implemented a daily price chart with the Chart.js package to render a line graph updating in real-time.
- Incorporated the Finnhub API to display updated information about financial assets.

EXPERIENCE

Educator

September 2020 - January 2023

Numerade

- Tutored students in undergraduate physics and math courses.
- Developed digital whiteboard strategies for general problem-solving and walkthroughs of specific problems.

Line Cook

2018 - 2020

High School Teacher

2011 - 2017

Zibo Experimental High School, Zibo, China

- Taught courses in math, science, computing, English, and physical education.
- As student registrar, developed a cloud-based grading system and trained staff in its use, increasing parent engagement and improving school record-keeping.

Professional Online Poker Player

2006 - 2010

- Consistently achieved profitable results over 500,000+ hands of No-Limit Texas Hold'em 6 max cash games.
- Tracked all hands played using a PostgreSQL database, analyzing data and reviewing hand histories to identify profitable strategic and tactical opportunities in gameplay.

Systems Engineer

2003 - 2005

Federal Aviation Administration, Oklahoma City

- Coordinated procurement and testing of ILS equipment within the framework of FAA requirements.
- Wrote extensive documentation of testing procedures/results and equipment maintenance.

EDUCATION

Certificate in Full Stack Development, App Academy

July 2023

Bachelor of Science in Mechanical Engineering, Harvey Mudd College