

# Bret Rosen | Full Stack Developer

Minneapolis, MN | [bretrosen@gmail.com](mailto:bretrosen@gmail.com) | [GitHub](#) | [LinkedIn](#)

## TECHNICAL SKILLS

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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

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**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

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**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**

November 2018 - January 2020

Kado no Mise, Minneapolis

- Executed seasonal menu based on daily reservations and guest dietary restrictions.
- Created menu items as product inventory and season dictated to ensure guest satisfaction and minimal waste.

**High School Teacher**

September 2011 - June 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.

**Systems Engineer**

July 2003 - June 2008

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

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Certificate in Full Stack Development, App Academy

July 2023

Bachelor of Science in Mechanical Engineering, Harvey Mudd College

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