

# Bret Rosen | Software Engineer

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

## 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 database utilizing SQLAlchemy and the random module in Python to generate thousands of professors/courses and reviews.
- Added a debate feature using aggregate review data from the database which allows users to simulate a DnD style debate/combat.
- Created a search function accessing the Redux state to return results based on dynamic user input.

**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 price charts with the Chart.js package to render dynamic graphs of stock prices.
- Incorporated the Finnhub API to display updated information about financial assets.

## EXPERIENCE

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**Math and Physics Educator**, Numerade

2020 - 2022

- Prepared students for undergraduate exams by explaining general problem-solving strategies and reviewing core concepts.
- Used a digital whiteboard and audio recording to engage students through visual, auditory, and reading/writing learning styles.

**Line Cook**, Kado no Mise, Minneapolis

2018 - 2020

- Executed preparation and presentation of high-quality Japanese dishes, ensuring kitchen standards were met while maintaining ticket times under ten minutes.
- Communicated the status of current and future tickets to other team members while expediting and working other stations to ensure coordination and efficiency of team effort.
- Assisted in the creation and refinement of seasonal menu items to minimize waste and maximize quality.

**High School Teacher**, Zibo Experimental High School, Zibo, China

2011 - 2017

- Effectively taught courses in math, science, computing, and English, catering to varying levels of English proficiency, resulting in improved academic performance and language skills.
- Developed a cloud-based grading system and trained staff in its use as student registrar, increasing parent engagement and improving school record-keeping.

## EDUCATION

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**Certificate in Full Stack Development**, App Academy

2023

**Bachelor of Science in Engineering**, Harvey Mudd College