

# Bret Rosen

## Full Stack Developer

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

## SKILLS

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**Frontend:** React, Redux, JavaScript, HTML, CSS

**Backend:** Python, SQL, PostgreSQL, SQLAlchemy, Sequelize, Express, Flask

**Key Skills:** Pair Programming, Object-oriented Programming (OOP), Test-driven Development (TDD), Agile Project Management, Debugging

## PROJECTS

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

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

A clone of the website Rate My Professors.

- Designed a database to allow users to interact with an intricately interconnected set of tables.
- Utilized the random module in Python to generate a robust database.
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**Foxtrot**, Full Stack Project - React | Flask

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

A clone of the website Robinhood.

- 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.
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**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.
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**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.
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**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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**App Academy**, Full Stack Development

Jan 2023 - July 2023

Learned computer science fundamentals and the necessary skills to develop a full-stack web application from scratch.

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

Graduated with a general engineering degree, concentrating in mechanical engineering.

September 1999 - May 2003