

Razan Rawand Haweizy

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EDUCATION

Brown University

Providence, RI

Bachelor of Science in Applied Mathematics-Computer Science | GPA: 3.8/4.0

Aug. 2023 – May 2027 (expected)

- Relevant Coursework: Data Structures and Algorithms, Computer Systems, Computer Vision, Linear Algebra, Statistical Inference, Multivariable Calculus, Applied ODEs/PDEs

EXPERIENCE

Software Developer (Independent Contractor)

Jul. 2025 – Present

Fenchurch Solutions Inc.

Toronto, ON (Remote)

- Architected a royalties automation platform from the ground up, translating ambiguous business requirements into a production-ready backend.
- Optimized schema and query design with SQLAlchemy/Postgres, reducing royalty processing time from hours to minutes.
- Built secure REST APIs for ingestion and payout workflows projected to handle thousands of sales records monthly.
- Reduced manual royalty calculations by 80%, enabling the client to scale to 200+ titles without additional staff.

Multivariable Calculus Tutor

Sep. 2024 – Present

Brown University Sheridan Center

Providence, RI

- Led weekly small-group sessions for 12 students, reinforcing vector calculus, partial derivatives, and multiple integrals.
- Adapted explanations to diverse learning styles, boosting confidence and performance in advanced math coursework.

Fullstack Developer

Sep. 2024 – Present

Fullstack@Brown

Providence, RI

- Contributed to the redesign of the **Brown Opinion Project** website, a polling organization reaching 1,000+ campus users.
- Developed an interactive frontend for polls section using React, enabling students to view results dynamically and improving engagement with survey data.
- Collaborated in an agile team, conducting weekly client meetings and code reviews to ensure usability and maintainability.

LEADERSHIP

Vice President of Diversity, Equity, and Inclusion

Sep. 2024 – Present

Kappa Alpha Theta, Alpha Epsilon Chapter

Providence, RI

- Developed and executed programs to increase engagement and inclusivity, enhancing chapter-wide awareness of DEI issues.

RESEARCH

Artificial Intelligence Research Associate

Sep. 2023 – Aug. 2024

Brown University

Providence, RI

- Curated a large-scale Kurdish text dataset to support inclusive language model training, expanding linguistic diversity in NLP tools.

PROJECTS

Forked | FastAPI, PostgreSQL, SQLAlchemy, JWT Auth, Docker

- Built a fullstack social platform for recipe sharing with **FastAPI backend, PostgreSQL database, and JWT-based auth.**
- Designed normalized relational schema supporting users, recipes, likes, comments, and saved recipes, ensuring scalable data consistency.
- Implemented secure user flows (signup, login, posting, saving, liking) and integrated frontend with REST APIs.
- Deployed locally with Docker, laying groundwork for scalable deployment to cloud infrastructure.

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), Java, C, JavaScript, HTML/CSS

Frameworks/Tools: Flask, FastAPI, React, SQLAlchemy, Docker, Git, Jira

Libraries: NumPy, pandas, Matplotlib, OpenCV