Jad Saad

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Education

Portland State University, Honor's College   Portland, OR
Bachelor of Science in Computer Science   **Sept 2024 – Present**
GPA: 3.89

Relevant Coursework: **Data Structures and Algorithms, Algorithms and Complexity, Operating Systems, Database Management, Artificial Intelligence, Web and Cloud Security**

Experience

Team Lead – AI Fishbowl   **Oct 2025 – March 2026**
Portland State University

- **Leading a 6-person engineering team** to build **AI Fishbowl**, an interactive kiosk combining LLM reasoning, speech recognition, and hardware sensor input.

- **Coordinating with faculty sponsors** to define requirements, confirm architectural decisions, and align sprint goals with expected deliverables.

- Directing system architecture and contributing to **full-stack implementation**, including **LLM pipeline design**, **frontend interaction flows**, and planning for camera and sensor integration.

Personal Projects

Media Lens: News Coverage Explorer | *Python, FastAPI, React, SciKit-Learn, Docker, PostgreSQL*
- Designed and implemented an **NLP pipeline** to analyze news articles for stance, framing, and coverage diversity across multiple outlets.

- Architected a **containerized backend** with Redis caching and REST API endpoints for summarization and stance classification.

- Built a **React dashboard** for event clustering, stance mix visualization, and explainability using SHAP attention highlights.

Prep&Count: 3-in-1 Fitness AI Application | *React Native, Node.js, Express, MongoDB, JavaScript, RESTful APIs, Git*
- Collaborated with two other developers to design and implement a scalable mobile app integrating workout tracking, nutrition logging, and **AI-powered** meal-prepping.

- Led backend development: built secure **REST APIs**, designed MongoDB schema, and implemented **authentication and analytics pipelines**.

- Practiced **Agile development**: contributed to feature planning, sprint reviews, and used GitHub pull requests for collaboration, while developing responsive UI components to enhance engagement.

- **Integrated a prompt engineered AI** to create a clear meal plan according to user diagnostics and meal preferences

Skills & Certifications

Programming: C++, C, Python, JavaScript (React, Node.js), SQL
Machine Learning: NLP (Transformers, Sentiment & Stance Classification), Model Evaluation (F1, Precision/Recall), Explainability (SHAP)
Backend & Infrastructure: REST API Design, FastAPI, Redis Caching, Docker, CI/CD
Systems & Debugging: Data Structures & Algorithms, Concurrency, Valgrind, GDB
Certifications: AWS Cloud Practitioner, Certified Scrum Product Owner (CSPO)