

# CYRUS SHAFIZADEH

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## WORK EXPERIENCE:

### Intel - Software Developer (JANUARY 2024 - PRESENT)

*GitHub Actions, Javascript, Cypress, API Testing, Postman, Scrum, Communication*

- Developed complex workflows utilizing Cypress, Postman, and internal packages to automate testing for both business and development teams. Test run on a schedule, and results are automatically sent to JIRA, **reducing manual testing by 100%**.
- Leading research in Postman API testing** to find a central **secure and reliable** system for all teams to use for API testing.

### Oregon State University - Student Lab Researcher (OCTOBER 2023-PRESENT)

*Unity, C#, Figma, .NET, Scrum*

- Undergraduate Lab Researcher in the NVIDIA Graphics Lab at OSU. Developing a C# and .NET based 3D Graph Visualization tool integrated with the Structural Simulation Toolkit to visualize High-Performance Computing simulations that enable end users to interactively organize and analyze data collaboratively across VR, desktop, and web solutions.

### ZURB - Software Engineer (JUNE 2023 - AUGUST 2023)

*Agile Project Management, Ruby on Rails, Javascript, Selenium Testing, Communication*

- Led research and development of ChatGpt AI integration to assist Helio users. AI tool provided customized recommendations to **+1 million** Helio accounts, resulting in an **increase of 20% in completed tests**.
- Developed an **automated regression testing suite** using ruby selenium, **reducing manual testing by 100%**, and ensuring long-term stability, performance, and reliability of user experience. **Wrote 15 tests covering 60% of the site**.

### CASS - Software Developer | Mentor (SEPTEMBER 2022 - DECEMBER 2023)

*C#, ASP.NET MVC, SQL, SSIS, Figma, Oracle OLE DB, SSMS, Tableau, Leadership, Teamwork, Flexibility*

- Developer and student mentor at CASS.** Leverage my technical expertise, communication skills, and leadership abilities to guide peers, facilitate client communications, and roadmap future iterations.
- Worked on an **automated ETL pipeline program to retrieve statistics** on Oregon State course enrollments using the SQL Server APIs to **study and improve trends in enrollment**. Utilized Tableau to visualize enrollment data in meaningful ways.
- Developed highly customized website for the City of Yachats. Oregon using ASP.NET framework. Site helps **thousands of citizens** with city-related issues such as city project communications, municipal complaints, and reservations for city services.

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## EDUCATION:

OREGON STATE UNIVERSITY - AUGUST 2020 - PRESENT (GRADUATING JUNE 2025)

Bachelor of Computer Science, Business Minor - **GPA: 3.5**

Clubs: Google Developer Student Club - Technology Officer | Consulting Club - Outreach Officer

## SKILLS:

Languages: Javascript, Python, HTML, CSS, C, C++, C#, Ruby, SQL

Technologies: React, Node.js, MongoDB, Git/GitHub, Bootstrap, Figma, SSIS, SSMS, ASP.NET, OpenAI, Azure DevOps, Jira, Firebase, Tableau

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## OTHER PROJECTS:

### OpenAI RAG Model:

*Python, Microsoft SQL Server, OpenAI*

- Retrieval-Augmented Generation (RAG)** project using OpenAI's GPT-based models Microsoft SQL Server. Program generates **text embeddings** from large datasets, by using OpenAI's embeddings API to create **vector representations** of text chunks and store them in a **vector database** for efficient retrieval.
- During runtime, user queries are transformed into embeddings and compared against the stored embeddings in the database. Based on **similarity scores**, **the most relevant pieces of information are retrieved and used to generate a detailed response** via OpenAI's GPT-4 model.

### SPOTAI:

*Python, NumPy, Pandas, Scikit-Learn, Flask, Javascript, Bootstrap, MongoDB*

- SpotAI is a Flask-based web application that generates personalized Spotify playlists using machine learning algorithms. By leveraging Spotify's API and advanced clustering techniques, such as **K-Means and Gaussian Mixture Models (GMM)**, SpotAI analyzes your listening data to create **custom playlists tailored to your music preferences**.