

# Michelle Cheng

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## OBJECTIVE

Recent computer science graduate seeking an entry-level role in a related field with opportunities to grow and develop skillset.

## EDUCATION

### B.S. Computer Science

Oregon State University — Corvallis, OR

January 2022 – December 2023

## SKILLS

**Languages:** Python, C#, SQL, Javascript, HTML, CSS

**Frameworks and Technologies:** Unity, MySQL, Flask, React, Next.js, Python unittest, Git, Figma

## PROJECTS

### ML Breakout — [GitHub Repo](#)

**Description:** A video game replicating Atari's Breakout with an added Machine Learning element in which the player can play against a trained AI. Built using Unity.

- **Unity and Unity ML Agents:** Applied Unity, Unity ML Agents, and C# to create a functional gaming experience.
- **Collaboration and Teamwork:** Engaged in **sprints** and **agile** team meetings, working closely with the team using Trello for **task management** to ensure the game met project requirements and functional specifications.
- **Quality Assurance and Version Control:** Actively engaged in **bug tracking and reporting**, using Git.

### Dark Brew Café Database Website — [GitHub Repo](#)

**Description:** A web application for the database management of a hypothetical coffee company.

- **Database Design:** Designed and implemented **database schema** for Dark Brew Café.
- **Web Development:** Utilized Flask to design and implement web application, providing interface for **CRUD operations** on the backend.
- **SQL:** Implemented **SQL queries** and procedures to manage and retrieve data effectively.

### PokePy — [GitHub Repo](#)

**Description:** A Python desktop Pokedex application. The project aims to showcase proficiency in creating basic UI, utilizing external APIs, and microservice integration.

- **API Integration:** Utilized **external API** to dynamically fetch and display Pokemon data.
- **Microservice Integration:** Collaborated with teammate to implement **microservice architecture**.
- **Error Handling:** Utilized **error-handling** techniques to ensure smooth application operations even in the absence of the microservice.
- **Agile Methodology:** Developed **user stories** and managed project workflow using **Agile principles** and **sprints** to maintain project organization and ensure timely completion.