

# Sebastian Yepez

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## EDUCATION

### University of Nevada, Las Vegas

*Bachelor of Science in Computer Science*

*Bachelor of Science in Mathematics, Concentration in Actuarial Sciences*

Graduation Date: May 2026

GPA: 3.81/4.0

**Relevant Coursework:** Data Structures and Algorithms, Cloud Computing, Coding for Web, Operating Systems, Differential Equations, Computational Linear Algebra, Statistical Methods I, Actuarial Mathematics I

## TECHNICAL SKILLS

**Programming & Scripting:** C++, Python, Java, JavaScript, HTML/CSS, Bootstrap, SQL

**Data & Infrastructure:** PostgreSQL, AWS (RDS, EC2, IAM, S3), Terraform

**Tools & Platforms:** GitHub, Bitbucket, VSCode, Arduino, Jupyter Lab, WordPress, Unix

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern – [Fetching Foods](#)

August 2024 – Present

*Human food made for pets.*

- Automating inventory management and order fulfillment processes, streamlining operational efficiency.
- Developing consumer-facing features, including delivery cost and time estimation by integrating custom APIs.
- Integrating a Chatbot into the company website to enhance customer interaction.

### Data Engineer Intern – [Odditt](#)

May 2024 – August 2024

*Transforming the sports-betting industry with a world-class odds database.*

- Contributed to architecting end-to-end data solutions alongside the CTO as the first data engineer intern at the company.
- Established CI/CD pipeline architecture, ETL processes, and developed Python and SQL code for data transformations.
- Employed Agile methodology, utilizing Kanban boards and standups to prioritize tasks and deliver solutions efficiently.

### STEM Student Mentor – [National Science Foundation](#)

April 2023 – June 2023

*Introducing the youth to the world of STEM.*

April 2024 – June 2024

- Guided students in hands-on STEM projects involving LEDs, motors, sensors, and wireless connections (2023).
- Led a project replicating “MyGPT” to demonstrate practical applications of IoT and AI (2024).

## PROJECTS & EXTRACURRICULARS

### “[MyGPT](#)” – ChatGPT Clone utilizing ESP32 Microprocessor | C++, Arduino

- Developed a ChatGPT-replica running on an ESP32 Microprocessor, leveraging OpenAI’s API and websockets.
- Utilized the ESP32’s built-in WiFi capabilities and a TCP connection (websocket) to retrieve user prompts, send them to OpenAI, and return responses to the user.

### [Undergraduate Research](#) | Python, Unix, Jupyter Lab

- Researching alongside Professor Paul La Plante at UNLV during the Fall 2024 semester.
- Creating a neural network to read in a data set, generate a mass function, and make predictions for a model that studies the expansion of the universe.

### [AI and Data Science Club](#) | Python

*Project and Workshops Officer*

- Collaborating with the President and other officers to launch an innovative new student organization where we organize workshops, projects, and volunteer/professional experiences to introduce students into the world of AI and Data Science.

### [Battery Workforce Challenge](#) | Simulink – MATLAB, OpenECU

*Software Subteam*

- Working closely with the software subteam lead to utilize OpenECU to develop our own embedded software for the Electronic Control Unit of our battery pack.

### [ACM](#) | C++, Python

- Honing algorithmic, problem-solving, and team collaboration skills in preparation for the 2024 ICPC competition.