Sebastian Yepez

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EDUCATION

University of Nevada, Las Vegas   Graduation Date: May 2026
Bachelor of Science in Computer Science
Bachelor of Science in Mathematics, Concentration in Actuarial Sciences

TECHNICAL SKILLS

Programming & Scripting: C++, Python, Java, JavaScript, HTML/CSS, 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 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.

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.

AI and Data Science Club | Python
Founding Member
- Collaborating with the President and Vice President to launch an innovative new student organization where we prompt members to participate in machine learning workshops and create their own projects.

RELEVANT COURSEWORK

Coding for Web | HTML, CSS, JavaScript, Bootstrap
- Utilizing UI/UX best practices to build responsive front end web designs in a course led by a Google Senior SWE.