Sebastian Yepez

(702) 881–1135 | yepez.sebastianesai@gmail.com | linkedin.com/in/sebastian-yepez/ | **Portfolio:** sebastianyepez.github.io/

EDUCATION

University of Nevada, Las Vegas   Graduation Date: May 2026
Bachelor of Science in Computer Science   GPA: 3.81/4.0
Bachelor of Science in Mathematics, Concentration in Actuarial Sciences

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
Workshops and Member-Development 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.