**Enzo Noel**Las Vegas, NV | (702) 337-6216 | enzopnoel@gmail.com  
LinkedIn: https://www.linkedin.com/in/enzo-noel-245233241/

**Summary**

Computer engineering student at UNLV with a focus on embedded systems and machine learning. Hands-on experience with Arduino and ESP32, PCB bring-up, sensors, Basic Software, and 3D-printed enclosures. Worked on various electronic hobby projects. Eager to learn and deliver.

**Skills**

* Languages: C/C++, Basic Python, Basic MATLAB
* Embedded: Arduino, ESP32/ESP‑NOW, I2C/SPI/UART, PWM, debouncing, low‑power design
* EE: Circuits, op‑amps, filters, basic PCB design & rework, soldering (through‑hole & SMD)
* Tools: Visual Studio Code, Arduino IDE, KiCad, LTSpice, Tinkercad3D, Basic matlab

**Education**

**University of Nevada, Las Vegas (UNLV) — B.S. Computer Engineering, In progress, Expected to graduate May 2028**

Relevant coursework: Circuits I, Calculus 1-3, Digital Logic, Differential Equations, Engineering Economics, Computer Science

**Selected Projects**

* **Posture Monitor and Shocker (ESP32 + MPU6050 + ESP‑NOW):** Calibrates posture baseline, reads and filters user posture angle via accelerometer, triggers a shock to the user when they are slouching via a transistor to simulate a button press on a remote. Implemented hysteresis and cooldown, plus robust state machine and debounced inputs.
* **OLED Lyrics Player Music Box:** Adafruit SSD1306 128×32 display. Non‑blocking playback synchronized with song timestamps using millis(). Button/LDR triggers and LED patterns.
* **Various 3D‑Printed Housings and Straps:** Designed snap‑fit enclosures and adjustable straps for wearables. Tuned infill, walls, and tolerances for durability and print time.
* **AI Sports Betting Prop Model: (Work in Progress)**  
  Building a prototype machine learning model to predict NFL running back passing receptions/targets. Features include defense coverage type, team pass rate to RBs, weather analysis, and pressure rate. Designed to capture short-pass tendencies under blitz conditions. Will implement data collection, feature engineering, and baseline predictive modeling.

**Employment experience**

**Part‑time Roles — Sonic Crew Member, Grocery Store Courtesy Clerk, Sushi Restaurant Busser (Current)**

Developed reliability, communication, and teamwork skills, time management while balancing classes, and basic workplace skills/habits.

**Extra Skills**

Video Editing/VFX – Premiere Pro, Davinci Resolve