Kevin W. Higgins

San Jose, CA - (408) 478-0128   -   kevinhiggins1333@gmail.com   -   https://not-krevin.github.io/STEM/

TECHNICAL SKILLS

- **Languages:** C++, Python, SQL, Rust, Assembly (x86), HTML/CSS
- **Tools:** Git, MATLAB, CAD, Excel
- **Hardware:** Oscilloscopes, Multimeters, PC Building, Circuit Troubleshooting

EDUCATION

San Jose State University, San Jose, CA - *December 2025 - Present*

- Bachelor of Science in Computer Engineering (Expected May 2027)

West Valley College, Saratoga, CA - *August 2021 - December 2025*

- Associate of Science in Engineering & Computer Science

PROJECTS AND CLASS WORK

Hybrid Battery Diagnostics & Reconditioning

- Diagnosed voltage irregularities in high-voltage hybrid battery packs using multimeters and OBDII scanners.
- Disassembled battery assemblies to identify faulty cells and performed busbar cleaning to restore electrical conductivity.
- Utilized oscilloscopes to monitor signal integrity during charge/discharge cycles.

Custom Large Language Model (LLM) Integration

- Developed a Python-based tool to parse marketplace trends using LangChain and OpenAI API.
- Implemented data scraping using SQL to store and analyze real-time pricing data.

Quantum Physics Simulation (Linux Group Project)

- Collaborated with a team to simulate theoretical quantum webbing interactions in a Linux VM environment.
- Optimized rendering performance using C++, reducing calculation time by 40.1%.

VOLUNTEERING

Hope of the Nations - Tanzania

- Assisting in the logistics and distribution of medical supplies and infrastructure materials to underserved communities.
- Collaborated with international teams to facilitate community development projects.

EXPERIENCE

Willard Hicks, Morgan Hill, CA — Server - *June 2025 - Present*

- Trained 10+ new employees on service protocols and efficiency standards.
- Maintained high customer satisfaction ratings in a fast-paced, high-volume environment.

PERSONAL INTERESTS

State record in powerlifting, Mountain biking, Swimming

CHARACTER REFERENCES

Craig Friske, **Director, Software Engineering at IBM** - (Available upon request)
Dr. Helene Flohic, **Physics teacher at West Valley** - (Available upon request)