

Parker Lauders

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EDUCATION

Shawnee State University

Bachelor of Science

Major in Computer Engineering Technology; Minor in Computer Aided Design & Draft (CADD)

Cumulative GPA: 3.85/4.0; Dean's List: Spring 2023; President's List: Fall 2023, Spring 2024

Portsmouth, OH

Expected May 2026

WORK EXPERIENCE

DataAnnotation

Prompt Engineer & Software Developer (Freelance)

Remote

March 2024 - Present

- Designed, developed, and tested over 500 prompts to enhance the performance of large language model coding responses.
- Solved diverse coding problems using Python, JavaScript, HTML/CSS, C/C++, and SQL, reducing roughly 20% of errors.
- Evaluated and improved hundreds of code snippets generated by LLMs, ensuring high quality outputs and enhancing model performance.

Shawnee State University

Supplemental Instructor Leader (Part-time)

Portsmouth, OH

September 2023 - Present

- Facilitated student learning in D.C. & A.C. Fundamentals and Electronics, improving overall class comprehension.
- Led discussions, delivered lectures, and conducted lab sessions for over 18 students, resulting in 85% lab completion.
- Implemented innovative teaching methods, leading to a 25% increase in lab attendance and improved student understanding.

Spectra-Tech Manufacturing Inc.

Hand Assembler I (Seasonal)

Batavia, OH

May 2022 – August 2023

- Assembled tens of thousands of PCBs in strict accordance with IPC standards, ensuring high-quality and reliable products.
- Ensured PCBs met company and client specifications through attention to detail, with breakage rate of less than 0.01%.
- Collaborated with team members to meet and uphold production, contributing to a high on-time delivery rate.

PROJECTS

A.I. Driven Power Wheels Car (Initial Implementation)

May 2023 – November 2023

- Built a real-time control system using an Arduino Mega programmed in C++, ensuring responsive and reliable performance.
- Trained a custom A.I. model on a NVIDIA Jetson Nano, achieving autonomous self-driving capabilities.
- Established a robust communication system between the two systems using I2C protocol, ensuring seamless/robust control.

Development and Implementation of Smart Assistant Swimming Coach

June 2023 – December 2024

- Led a 74-week university grant-funded research project, focusing on developing a smart robotic assistant swim coach.
- Trained custom A.I. models to accurately track and monitor swimmer performance.
- Presented and published the project in local project showcases/conferences, receiving positive feedback and recognition.

Burger King State Tracker (bkstatetracker.pwldigital.com)

September 2023 - Present

- Designed and developed a scraping program to gather data on approximately 6,500 Burger King stores across the USA.
- Designed and developed a React.js framework website, enabling users to efficiently view and interact with scraped data.
- Automated the data scraping functionality to ensure users always access up-to-date information, improving user experience.

ACTIVITIES

Institute of Electrical and Electronics Engineers (IEEE) College Chapter

Vice-President

Portsmouth, OH

December 2023 – Present

Shawnee State University Men's Varsity Bowling Team

Team Member

Portsmouth, OH

August 2022 – Present

ADDITIONAL

Technical Skills: SQL, JavaScript, HTML/CSS, Python, C/C++, Git, Chat-GPT, Gemini, Eagle, AutoCAD, SolidWorks, Inventor, Fusion360, Visual Studio, Visual Studio Code, Arduino IDE, Multisim, Microsoft Suite

Certifications & Training: Lean Six Sigma Green Belt, Rockwell Automation Level I, FANUC CNC Basic Programming, Setup, and Operations

Academic Awards: Presidential Award for Innovation (2024)