

# PARKER LAUDERS

## Computer Engineer

✉ parkerwlauders@gmail.com

☎ (513) 262 - 6425

📍 Sardinia, OH

🌐 www.pwldigital.com

## EDUCATION

Bachelor of Science  
Computer Engineering  
Technology (with CADD MINOR)

### Shawnee State University

📅 August 2022 - current

📍 Portsmouth, OH

#### Relevant courses

3-D Parametric Modeling; Computing Systems; Database Systems; Electrical Fundamentals (AC); Electrical Fundamentals (DC); Electronics; Introduction to CADD; Programmable Logic; Structured Programming; Systems Programming

## CERTIFICATIONS

- Rockwell Automation Level I
- Lean Six Sigma Green Belt
- FANUC CNC Basic Programming, Setup, and Operation
- Engineering and Design

## SKILLS

- Visual Studio Code
- Git
- Fusion360
- Inventor
- SolidWorks
- EAGLE
- AutoCAD
- Arduino IDE
- Python
- C/C++

## WORK EXPERIENCE

### Supplemental Instructor Leader

#### Shawnee State University

📅 September 2023 - current

📍 Portsmouth, OH

- Attend and led supplemental sessions.
- Assist students with reviewing course material and improving comprehension
- Led discussions, lectures and labs centered around course content
- Enhanced student comprehension and shortened learning process through new teaching methods

### PCB Hand Assembler I

#### Spectra-Tech Manufacturing, INC.

📅 June 2022 - August 2023

📍 Batavia, OH

- Assembled components with minimal supervision, exceeding expected project milestones.
- Collaborated with team members to improve production processes and maintain quality standards.
- Completed durable assemblies and subassemblies with hand and power tools.
- Followed outlined specifications to implement assembly plans.

### Summer Maintenance Help

#### Dualite Signs & Branding

📅 June 2021 - August 2021

📍 Williamsburg, OH

- Followed instructions from supervisor regarding daily job tasks and duties.
- Performed preventive maintenance and repairs on various types of equipment.
- Continuously adhered to strict regulations as well as detailed instructions, guidelines and specifications.
- Rewired and replaced faulty electrical components in equipment.

### Lawn Care Worker

#### Lykins Lawn Care

📅 April 2018 - August 2020

- Maintained grounds by trimming, weeding, and general clean-up.
- Removed weeds, hazards, and debris from common pathways to improve usability.
- Performed mulching, and edging of lawns.
- Removed and disposed of plant debris from work sites to keep areas safe and well-organized.

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## REFERNECES

### Jameson Castle

*Assembly Supervisor*

(513) 735 - 9300

jcastle@4spectra.com

📍 Spectra-Tech Manufacturing, INC.

### JT Ok

*Assistant Professor Engineering Technologies*

(740) 351 - 3510

jok@shawnee.edu

📍 Shawnee State University, OH

### Ted Kosan

*Associate Professor, Computer Engineering Engineering Technologies*

tkosan2@shawnee.edu

📍 Shawnee State University

### Bryan Sturgell

*Men's Head Bowling Coach*

(740) 357 - 7696

bsturgell@shawnee.edu

📍 Shawnee State University, OH

## PROJECTS

### A.I. Driven Power Wheels Car (Version One)

#### Creator

📅 May 2023 - October 2023

- Built a control system using a standard Arduino Mega 2560 microcontroller with C programming for as close to real-time performance
- Built an A.I. model that runs on a modern NVIDIA Jetson Nano to perform self-driving capabilities
- Established communication between the systems using I2C to allow the control system to execute the A.I. outputs
- Tested and evaluated the driving capabilities to find improvements for version two
- Followed professional standards toward documentation

### A.I. Assistant Swim Coach

#### Lead Student Researcher

📅 June 2023 - current

- Conducted research of parts to support project objectives
- Manage project expenses closely to ensure adherence to the allocated budget
- Led development to ensure progress was made and to meet deadlines
- Research leading-edge A.I. technologies to ensure the reliability of the A.I.
- Continue development to ensure the project developments are on course with the project objectives

### Personal Website (www.pwldigital.com)

#### Creator

📅 September 2023 - current

- Designed and developed a dynamic website platform.
- Implemented a user-friendly interface for easy navigation.
- Showcased an extensive portfolio of computer science and computer engineering projects.
- Enhanced professional visibility and accessibility.
- Achieved seamless integration of multimedia elements, such as images and videos.
- Ensured scalability and future-proofing for potential updates and additions.

### A.C.E. Tracker

#### Creator

📅 Estimated Start: November 2023