

# James Alex Campbell

Available Starting May 2023

7121 Delaware Ave. Apt. 4  
Cincinnati, Ohio 45236  
(513) 600-6110  
james.campbell.alex@gmail.com

## WORK EXPERIENCE

### Ford, Sharonville, OH — Controls Engineer CO-OP

May 2021 - August 2021, January 2022 - August 2022

- Troubleshoot downed machinery in a timely manner to make machine operational for production
- Reprogrammed existing machines logic to improve the cycle time of the machine or to correct for existing bugs with the machine.
- Maintained well kept backups for machine programs and automation
- Modified electrical schematics utilizing AutoCAD for any hardware changes, installations, or removals

#### Key Projects:

Nagle Vertical Hone in Department 977 was experiencing a bug where it would occasionally not hone a gear. After diagnosing the issue and implementing a change to the logic, an estimated 220 parts per week were saved from being reworked or scrapped.

Station AT.0035's backup station has not been operational due to issues with the current logic. After making changes to the existing program so the backup station is operational, an estimated 0.7 jobs per hour will be saved.

### AK Steel, Middletown, OH — Electrical Engineer CO-OP

May 2019 - December 2019

- Communicated with vendors for the purchase and installation of machinery necessary to complete projects
- Programmed Allen Bradley PLCs and designed HMI interfaces so maintenance electricians could easily diagnose issues and operate machinery effectively

#### Key Projects:

Redesigned existing power cable management for scrap yard trolley. After planning the installation of a cable reel, the estimated cost savings was 22K/year plus a reduction in downtime.

## ACTIVITIES

### Lambda Chi Alpha, University of Cincinnati

September 2018 - May 2022

- Positions Held: Ritualist Chairman (May 2021 - May 2022), President (May 2020 - May 2021), Executive Committee Member (January 2019-May 2021), Recruitment Chairman (May 2019-May 2020)

## EDUCATION

### University of Cincinnati Class of 2023

**Degree:** Electrical Engineering

**GPA:** 3.2 Unweighted

**Awards:** Dean's List: 3 Semesters

## SKILLS

#### Programming Languages:

Proficient in C++ and MATLAB

#### Automation:

Ford: FAST, OMS, FIS

Siemens: PLCs, CNCs, Servo Drives

Allen Bradley: PLCs, HMIs

Atlas Copco: Nutrunners

#### 3D Modeling:

AutoCAD

#### Organization/Communication:

AutoSave, DMS, Slack, Microsoft Office (Word, Powerpoint, Excel)

## REFERENCES

#### Kojo Adomako - Ford

Cell: (513) 782 - 7754

#### Joe Mills - Ford

Cell: (513) 615 - 6116

#### Steve Alexander - Alumni Advisor

Cell: (419) 560-4478

