

Rose Saalman

saalmark@mail.uc.edu

(614) 420-1309

1401 Trentwood Rd. Columbus Ohio 43221

Education:

University of Cincinnati, Cincinnati, Ohio

Class of 2023

- B.S., Computer Engineering

Upper Arlington High School, Upper Arlington, Ohio

Class of 2018

- Cum Laude Graduate

Technical Skills:

Programming Languages: Python, PLC, SQL, C++, HTML, CSS, Visual Basic, Google Apps Script

Software: GitHub, Visual Studio Code, MATLAB, LabView, R, Microsoft Office, Microsoft SQL Server

Operating Systems: Windows OS, Mac OS, Linux Ubuntu

Work Experience:

Automation Engineer, EMCOR

7/19 – Present

Columbus, Ohio

- Reviewed electrical drawings and single line diagrams to develop system architecture
- Engineered the network and database system for an electrical and power monitoring system using industry standard protocols
- Programmed and fine-tuned site equipment to meet sequence of operations provided by contractors
- Collaborated on-site with a construction team in Toronto, Canada for a month to complete Level 5 commissioning for data centers
- Created standard verification documentation and submittals for customers and operator training activities
- Debugged user interface and network issues to achieve a more robust building management system
- Directed and communicated with installers and service techs to complete system installs
- Generated standardized and custom graphic screens with a focus on customer satisfaction and quality control

Cyber Threat Analyst Apprentice (Remote), iQ4 Corporation

5/20 – 6/20

Franklin Lakes, New Jersey

- Coordinated with a team of 6 cybersecurity apprentices to deliver a weekly virtual presentation to cybersecurity industry
- Integrated cybersecurity frameworks and methodologies into deliverables on identifying, detecting, and preventing cyber-attacks

Energy Management and Commissioning – Support Personnel

5/19 – 7/19

EMCOR (Debra-Kuempel Inc., a wholly owned subsidiary)

Columbus, Ohio

- Programmed the daily collection of over 2,000 trends across 5 different sites to store on a remote server
- Maintained a relational database server and produced analytical queries to improve HVAC system investigation
- Interfaced with customers and vendors to provide solutions and coordinate requirements

Activities:

Bearcats Academy, Mentor

9/18 – 5/19

- Coordinated a lesson program for high school students to prepare for college
- Encouraged young scholars to achieve goals by building a community of care and learning

Rowing, Athlete and Volunteer Coach

8/14 – 11/18,

1/22 – Present

- Elected captain of high school rowing team
- Partnered with a team of coaches and volunteers to teach 70 novice rowers
- Evaluated rowers' technique to prevent injury and to improve overall rowing quality