

# Kathleen Kane

301 Faraday Road  
Buffalo, NY 14223

(716) 946-8763  
kathleen.kane@blackrockcontrols.com

## EXPERIENCE

### Black Rock Controls LLC

Buffalo, NY

#### Controls Designer and Programmer

May 2019 – Present

- Design and draw electrical schematics, layouts of control panels, and network topologies in AutoCAD
- Train employees in AutoCAD
- Evaluate the safety of controls systems using national safety standards
- Collaborate with customers in manufacturing, water, and wastewater sectors
- Manage teams of programmers and engineers on large-scale projects
- Prepare submittal and owner/operation manuals
- Advise in operational decisions of the company

## EDUCATION

### University at Buffalo, The State University of New York

Buffalo, NY

#### Bachelor of Science, Electrical Engineering, anticipated May 2024

August 2020 – Present

*Related Coursework:* Circuit Analysis, Signals and Systems, Applied Electromagnetics, Electronic Devices and Circuits, Intro Electronics Lab

*Current GPA:* 3.976/4.0

### Eastman School of Music

Rochester, NY

#### Master of Music, Voice Performance and Literature

August 2017 – May 2019

### Crane School of Music at SUNY Potsdam

Potsdam, NY

#### Bachelor of Music, Music Performance, *summa cum laude*

August 2013 – May 2017

*Concentration:* Voice

## PROJECTS

### Open-Source HMIs

Developed applications for Arduino, Raspberry Pi, and Android devices that allowed the user to interface with both Allen-Bradley and Modicon PLCs using Ethernet/IP and Modbus communication protocols.

## SKILLS

Language: German (Beginner), French (Beginner), Italian (Conversational)

Software: VMware Workstation, Microsoft Office, AutoCAD, Rockwell Studio 5000, RSLogix, FactoryTalk View Studio, SICK Flexi Soft Designer, EcoStruxure Machine Expert, XLReporter

Programming: C, C#, Python, Java, MatLab, Android Studio, C++, Arduino, .NET (Windows Forms and ASP.Net), Visual Studio, Visual Studio Code