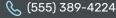
# **Emily** Carter

**Chemical Process Control** Engineer



#### CONTACT



emily.carter@gmail.com

United States, Houston, TX



## 😭 EDUCATION

2013 - 2015

# **Master of Science in Chemical Engineering**

University of Texas at Austin, United States, TX

2009 - 2013

# **Bachelor of Science in Chemical Engineering**

Texas A&M University, United States,

# **Certified Automation Professiona-**I (CAP)

International Society of Automation, Certification Date: August 2021



## PROFESSIONAL SUMMARY

Results-oriented Chemical Process Control Engineer with over 9 years of experience in designing and optimizing production processes. Proficient in implementing control strategies and ensuring compliance with safety regulations.



## **EXPERIENCE**

## **Senior Process Control Engineer**

2019 - Now

### Dow Chemical Company, United States, Houston, TX

- · Lead the development and implementation of advanced process control strategies for various chemical manufacturing processes.
- · Collaborate with cross-functional teams to identify process bottlenecks and develop solutions, improving overall efficiency by 20%.
- · Utilize MATLAB and Python for data analysis and model predictive control (MPC) applications.
- · Conduct root cause analysis for process deviations, implementing corrective actions to enhance safety and quality.

#### **Process Control Engineer**

2015 - 2019

#### BASF Corporation, United States, Houston, TX

- · Designed and implemented control loops for batch and continuous processing, improving process stability and yield.
- · Performed process simulations and optimizations using Aspen Plus and HYSYS software.
- · Developed training materials and conducted workshops for operators on control system operations and troubleshooting.



# **SKILLS**

Advanced Process Control (APC)	****
Model Predictive Control (MPC)	****
Control System Design and Tuning	****
Data Analysis and Visualization (MATLAB, Python)	****
Process Simulation Software (Aspen Plus, HYSYS)	****
Regulatory Compliance (OSHA, EPA)	****