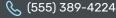
Emily Carter

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)	****