

## EDUCATION

AB, Computer Programming, Lansing Community College, Lansing MI (2021-2023)  
MS, Mechanical Engineering *Magna Cum Laude*, University of Michigan, Ann Arbor MI  
BS, Mechanical Engineering *Cum Laude*, University of Michigan, Ann Arbor MI

## EMPLOYMENT

### **Shift Supervisor | Corning Inc.**

Wilmington, NC | 2020-2021

- Provided guidance and operations support to floor associates and technicians in union plant to achieve production targets.
- Built and maintained ware-flow plans and production schedules.
- Motivated employees and settled interpersonal disputes.

### **Development Engineer | Corning Inc.**

Wilmington, NC | 2018-2020

- Improved combustion and deposition process by designing experiments to inform revolutionary equipment design.
- Designed experiments to fundamentally understand silica deposition process using flame chemistry and fluid dynamics.
- Modeled non-equilibrium deposition process to understand soot properties and heat transfer. Mined production data to determine causal relationships.
- Led campus recruiting efforts as part of the engineering recruiting team.

### **Process Engineer | Corning Inc.**

Durham, NC | 2016-2018

- Improved plasma-enhanced chemical vapor deposition process through machine installations and process changes.
- Led multiple cost reduction projects of identifying process root causes, and capital projects all on time and within budget.

### **Graduate Student Researcher | the Violi Group**

Ann Arbor, MI | 2014-2015

- Investigated ceramic nanoparticle structure using computational statistical mechanics.

### **Previous Employment:**

Strength Engineer, Toyota Motor Engineering & Manufacturing, Ann Arbor, MI, 2013-2014

Field Engineer, Schlumberger Drilling & Measurements, Lafayette, LA, 2011-2012

## SKILLS

**Software:** (proficient) Python, SQL, HTML, CSS; (familiar) C#, Django