

# LYNDSEY POHL

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Innovative and analytical junior software engineer with hands-on engineering experience in data mining and analysis seeking to leverage background into a developer role for a progressive organization.

## CORE COMPETENCIES

Python | SQL | JavaScript | HTML | CSS

## KEY PROJECTS

- Creating 2D game 'Get the Gopher' (Unity, C#).
- Scheduling app for greens-keeping crew (Django; <http://djangoenv-taskgopher.us-east-1.elasticbeanstalk.com>).
- TicTacToe game (HTML, CSS, JavaScript; <https://dev2620.d374esguw3uf19.amplifyapp.com>).
- Designed informational website on mountain-biking (Wix; <https://pohl18.wixsite.com/elpiebkng>).
- Built heat transfer simulation to understand transient temperature behavior of silica soot (Python).
- Characterized flame deposition behavior via image analysis and data processing (Python).
- Statistically tested if presidential candidates' tweet content was dependent on standing during election (Python, R).
- Determined important success factors in NFL running plays using logistic regression and decision trees (Python, R).
- Forecasted expected clinical visit patient volume using Holt-Winters and ARIMA models (R).

## PROFESSIONAL EXPERIENCE

### Shift Supervisor | Corning | 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 | 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 | 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 | University of Michigan, The Violi Group | Ann Arbor, MI | 2014-2015

Investigated the structure of ceramic nanoparticles using computational statistical mechanics methods and analytics.

## PREVIOUS WORK HISTORY:

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

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

## EDUCATION

**AB, Computer Programming**, Lansing Community College (Online - currently enrolled)

**MS, Data Science**, University of Wisconsin OshKosh (Online - completed 18/36 credits)

**MS, Mechanical Engineering (Magna Cum Laude)**, University of Michigan, Ann Arbor MI

**BS, Mechanical Engineering (Cum Laude)**, University of Michigan, Ann Arbor MI