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

- 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://pohll8.wixsite.com/elpiebkng).
- Built heat transfer simulation to understand transient temperature behavior of silica soot (Python - Corning).
- Characterized flame deposition behavior via image analysis and data processing (Python - Corning).
- 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