

## EDUCATION

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AB, Computer Programming, Lansing Community College, Lansing MI (2021-2022)  
MS, Mechanical Engineering *Magna Cum Laude*, University of Michigan, Ann Arbor MI  
BS, Mechanical Engineering *Cum Laude*, University of Michigan, Ann Arbor MI

## SOFTWARE PROJECTS

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**Personal Website:** [lapohl.github.io](http://lapohl.github.io)

**'Get the Gopher' Game:** [github.com/lapohl/GetTheGopher](https://github.com/lapohl/GetTheGopher)

- Player targets appearing and disappearing gophers with club within time limit.
- Programmed club and gopher collisions, hiding times, and gopher movement patterns in C#.

**Task Scheduler Application:** [djangoenv-taskgopher.us-east-1.elasticbeanstalk.com](https://djangoenv-taskgopher.us-east-1.elasticbeanstalk.com)

- Dashboard site that enables user to track, record, and modify 'to-do' tasks for golf course.
- Application built using Django, AWS, and WeatherAPI.

**Almost Unbeatable TicTacToe Game:** [dev2620.d374esguw3uf19.amplifyapp.com](https://dev2620.d374esguw3uf19.amplifyapp.com)

- User plays the computer in traditional TicTacToe.
- Website uses JavaScript, HTML, and CSS.

**the Sandy Berm Website:** [pohl8.wixsite.com/elpiebkng](http://pohl8.wixsite.com/elpiebkng)

- Informational website for mountain biking, made using Wix.com.

## EMPLOYMENT

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**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

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