

# ANNALISE HOOVER

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## OBJECTIVE

To further develop my professional and technical skills in software and never stop being curious

## EDUCATION

### THE OHIO STATE UNIVERSITY | COLUMBUS OH 43210

**Graduated Spring 2022** Bachelors of Science in Computer Science Engineering and Physics

- Honors College Student, Cumulative Engineering GPA of 3.3
- Member of Society of Physics Students
- Undergraduate Teaching Assistant for Fundamentals of Computing Logic and Game Development for the Computer Science Engineering department
- Member of Ohio State Club Swimming, both participating in and organizing and orchestrating national swim meets through USA Master's Swimming

## EXPERIENCE

### NUCLEAR THEORY RESEARCH | RICHARD FURNSTAHL

*The Ohio State University Fall 2020, Fall 2021*

- Exploring the Bayesian uncertainty quantification of the infinite nuclear matter equation of state
- Analyzing, recording, and formalizing software packages required to implement the quantification algorithms.
  - Including an algorithm to analyze the convergence pattern of Effective Field Theory observables within the quantification algorithms.

### OSU DEPARTMENT OF ENGINEERING EDUCATION | 2070 NEIL AVE, COLUMBUS OH 43210

*Teaching Assistant August 8<sup>th</sup> 2018 - May 12<sup>th</sup> 2020*

- Teaching Fundamentals of Engineering, covering MATLAB coding, SolidWorks, and technical report writing
- Participating in curriculum execution, grading student assignments and projects, and enhancing student understanding through discussion
- Worked with the professor to teach a trial section of a refined curriculum and identify and solve execution issues

### HEXPOL COMPOUNDING | 14330 KINSMAN RD, BURTON OH 44021

*Lab Intern June 6<sup>th</sup> 2017 – August 1<sup>st</sup> 2017*

- Assisted chemists in diagnosing problems by researching and performing analytical tests
  - Performed calibrations on equipment to ensure accurate testing
  - Gained experience in using a TGA and reading corresponding graphs to identify chemicals
- Researched new product applications through analysis and consultation with chemists

### KINETICO INCORPORATED | 10845 KINSMAN RD, NEWBURY OH 44065

*Intern June 8<sup>th</sup> 2016 - August 12<sup>th</sup> 2016*

- Assisted Manufacturing Engineers with technical tests and improved job instructions
- Performed research tests on products to diagnose problems and identify possible solutions
- Learned basics in engineering daily tasks and how to use CAD program in design

## SKILLS

- Developing dynamic teaching methods for advanced technical concepts to best convey material to students with a variety of learning styles
- Directing complex projects as both a lead teaching assistant and a head of large organizational events