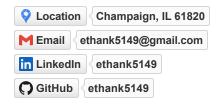
Ethan Knox



A strong mathematics background lending to an innate understanding of the laws of physics. Particularly interested in scientific computing / computational physics, as it not only greatly elucidates the underlying physical phenomena, but is frequently at the intersection of theory, experiment, and industry. I look forward to assisting my future team solve problems and complete professional goals while honing my skills as a scientist.

Education

Purdue University West Lafayette, IN

Bachelor of Science in Mathematics, Minor in Psychology | GPA: 3.5

June 2017 - May 2021 June 2017 - May 2021

Bachelor of Science in Physics, Minor in Astronomy | GPA: 3.5

Indianapolis, IN

Diploma | GPA: 3.4

Southport High School

August 2013 - May 2017

Skills

- Mathematics (Calculus, Differential Equations, Linear Algebra)
- Python (Numpy, Scipy, Sympy, Pandas, Matplotlib)
- Data Analysis (Image Post-Processing and Higher-Level Analysis)
- Physics (Mechanics/Dynamics, Astrophysics/Cosmology)
- C/C++ (Boost, XTensor Libraries)
- Teamwork (Eagle Scout, Scholastic/Extracurricular Sports)

Experience

The Tap

West Lafayette, IN

Bar-Back October 2021 - June 2022

- Assisting and training underneath the bartenders; helping behind the bar.
- Knowledge-bank and creative resource for whisk(e)y and cocktails.

Purdue University West Lafayette, IN

Research Assistant August - December 2020

- Collaborated with the Iyer-Biswas lab to discover principles governing stochastic single-cell behavior.
- Analyzed and processed individual frames of cell growth using custom Python scripts.
- Summarized progress and clarified treatment of special cases in weekly all-staff meetings.
- Published research can be found at: https://iyerbiswas.com/research/

Gander Mountain Greenwood, IN

Sales Assocoiate July 2016 - January 2017

- Advised customers in the camping and firearms department using prior scouting experience.
- Organized and stratified product from new shipments to keep the store running smoothly.