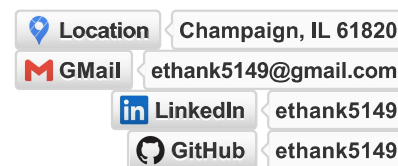


Ethan Knox | Physics & Math Graduate



Personal & Professional Statement

Strong roots in applied mathematics, physics, astrophysics/cosmology, dynamical systems, quantum mechanics, relativity, and psychology. I look forward to assisting the company with meeting professional goals and standards while simultaneously perfecting my skills and contributions

Education

Bachelor of Science in Physics | Purdue University

August 2017 - May 2021

- **Major:** Astrophysics | **Minor:** Astronomy
- **GPA:** 3.50 | Dean's List (Fall '17, Spring '20) | Semester Honors (Fall '17 - '19, Spring '19 - '20)

Bachelor of Science in Mathematics | Purdue University

August 2017 - May 2021

- **Major:** Applied Mathematics | **Minor:** Psychology
- **GPA:** 3.5 | Dean's List (Fall '17, Spring '20) | Semester Honors (Fall '17 - '19, Spring '19 - '20)

Diploma | Southport High School

August 2013 - May 2017

- **AP Courses:** Calculus AB (5) | Calculus BC (5) | Psychology (5)
- **GPA:** 3.4 | Science Department Student of the Month

Awards & Scholarships

- T. G. Alford Scholarship | David R. Lebeson Memorial Scholarship | Frank O'Bannon Honors & Accelerated Scholarships | Provost Summer Scholarship
- The Tap Brewery "Above and Beyond" Award 2022
- BSA Troop 92 Scout of the Year 2016

Work Experience

Bar-Back | The Tap

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.

Research Assistant | Purdue University

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: iyerbiswas.com/research/

Sales Associate | Gander Mountain

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.

Involvement & Hobbies

- Brazilian Jiu-Jitsu | Backpacking | Whisk(e)y Sommelier | Mixology

Boy Scouts of America | Troop 92

February 2010 - June 2017

Eagle Scout

August 2016 - Present

- Designed and constructed a new playground for Christ United Methodist Church in Indianapolis, Indiana.

Assistant Scoutmaster

August 2016 - June 2017




















- Guided and mentored younger scouts in their positions and progression through the troop.
- Acted as liaison between the scouts and scoutmasters to plan trips and other activities.
- Managed rank advancements, supplies, and maintenance of equipment to support troop operations.

Senior Patrol Leader

August 2014 - August 2016

- Coordinated meetings, outings, and events with individual patrol leaders for the entire troop.
- Communicated responsibilities and duties to other troop members and assisted them in their tasks.

Coding Languages & Environments

-  C  C++  Python  Wolfram Language
-  SymPy  Numpy  Scipy  Numba  Pandas
-  Jupyter  Anaconda
-  VisualStudio  VisualStudio Code  Wolfram Mathematica
-  Linux  Ubuntu  Markdown  HTML5  Latex