

# Caleb M. Powell

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## PROFILE

Double major in Physics and Computational Mathematics with a minor in Computer Science. Community-oriented individual with excellent analytical and critical thinking skills. Valuable experience in progressing the academic development of others. Seeking an opportunity to pursue an M.S. in Computer Science after graduation.

## EDUCATION

**B.A.** Physics and Computational Mathematics, Wabash College, Crawfordsville, IN GPA: 3.47/4.00 May 2022

**Minor:** Computer Science

**Technical Skills:** Proficient in Python, HTML, LaTeX, Mathematica, Jupyter Notebook; Experienced in Java, C, JavaScript, CSS, SolidWorks, Adobe Photoshop; Certification in Autodesk Revit Architectural Software, AutoCAD Drafting Software

**Relevant Coursework:** Introduction to Programming, Intro to Data Structures, Theory of Programming Languages, Algorithm Design and Analysis, Operating Systems, Elementary Linear Algebra, Abstract Algebra I, Combinatorics

## PROFESSIONAL EXPERIENCE

**Physics Research Intern**, Wabash College Physics Department, Crawfordsville, IN ([GitHub](#)) June 2021 – Present

- Analyzed the growth pattern of brinicles through simulations for Dr. Nathan Tompkins, Ph.D.
- Engineered brinicle growth tanks while generating lab data to improve the simulations

**Physics Tutor**, Quantitative Skills Center, Wabash College, Crawfordsville, IN August 2020 – Present

- Aided in accelerating the academic development of introductory physics students
- Provided one-on-one tutoring sessions, homework assistance, and mentorship for students

**Tech Intern**, Education Technology Center, Wabash College, Crawfordsville, IN August 2019 – Present

- Supported students in the use of technology equipment and procedures in the College's library
- Enhanced Adobe Photoshop skills by developing a variety of posters for events

**Supplemental Instructor**, Wabash College, Crawfordsville, IN August 2020 – November 2020

- Advanced academic learning opportunities for students in Algebra Physics (PHY-109)
- Assembled group tutoring sessions to assist students with difficult courses

**Web Development Intern**, TechPoint, Indianapolis, IN ([Weblink](#))([GitHub](#)) June 2020 – August 2020

- Improved teamwork strategies through the marketing development of a web product design
- Completed a five-week S.O.S. Challenge while developing HTML, JavaScript, and CSS skills

## EXTRACURRICULAR EXPERIENCE

**President**, Computer Science Club, Wabash College, Crawfordsville, IN August 2021 – Present

- Founded a first-year club which has grown to over 50 members
- Formed a student chapter of the Association of Computing Machinery (ACM)
- Structured student-led teaching workshops, hackathons, and guest speaker colloquiums

**Vice President**, Society of Physics Students (SPS), Wabash College, Crawfordsville, IN August 2021 – Present

- Helped to form a student community for physics majors to engage with their fellow students
- Promoted physics to local elementary school students through interactive demonstrations

**Member**, Math Club, Wabash College, Crawfordsville, IN August 2020 – Present

- Attended weekly meetings and assisted the club in computational competitions
- Assisted in the promotion of upcoming event information to the community of Wabash College

**Member**, 3D Printing Club, Wabash College, Crawfordsville, IN August 2019 – Present

- Participated in club activities such as design competitions
- Improved 3D printing methods and knowledge of SolidWorks 3D modeling software

**Wrestler**, Wabash College and Hillgrove Highschool August 2018 – Present

- Practiced, traveled, and competed for 15+ hours per week while balancing a rigorous course load
- 2017-2018 G.H.S.A. Individual State Champion, 2019 NWCA National Team Duals 4<sup>th</sup> place finish