Caleb M. Powell

301 W Wabash Ave, Crawfordsville, IN 47933

cmpowell22@wabash.edu | (404) 789-0173 | https://wabash.acm.org/calebpowell

PROFILE
Double Major in Physics and Computational Mathematics and 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 & Computational Mathematics: Wabash College, Crawfordsville, IN.   May 2022
Minor: Computer Science
Technical Skills: Python, Java, C, HTML, JavaScript, CSS, SolidWorks, Adobe Photoshop, LaTeX, Mathematica, and Jupyter Notebook. Certification in Autodesk Revit Architectural Software and 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, and Combinatorics

PROFESSIONAL EXPERIENCE
Physics Research, Dr. Nathan Tompkins, Wabash College (GitHub)   June 2021 - Present
- Simulated the growth pattern of "brinicles" through python point-model simulations
- Engineered brinicle growth tanks to generate lab data for improving simulations

Physics Quantitative Skills Center, Wabash College   August 2020 - Present
- Accelerated the academic development for introductory physics students at Wabash College through tutoring and homework assistance.

Supplemental Instructor, Wabash College   August 2020 - November 2020
- Advanced the academic learning opportunities for students in Algebra Physics through group tutoring sessions

Web Development, TechPoint, Indianapolis, IN (Weblink)(GitHub)   June 2020 - August 2020
- Improved teamwork strategies through development and marketing of a web product design
- Completed a five-week "S.O.S. Challenge" while developing HTML, JavaScript, and CSS skills

Education Technology Center, Wabash College   August 2019 - Present
- Supported students in the use of technology equipment in the Wabash College Lilly Library
- Enhanced Skills in Photoshop through development of a variety event posters

LEADERSHIP EXPERIENCE
Computer Science Club President, Wabash College   August 2021 - Present
- Founded a first-year club at Wabash College and expanded it to over 50 members
- Managed a club that participates in several events such as student-led teaching workshops, "hackathons", guest speaker colloquiums, web-design teams, and graphics teams
- Formed an official chapter of the Association of Computing Machinery (ACM)

Society of Physics Students (SPS) Vice President, Wabash College   August 2021 - Present
- Assisted in the process of development of 3D printed air-filters for individual classrooms
- Helped form a larger community of students within the physics department at Wabash College
- Promoted interest in physics amongst local elementary school students through demonstration of basic physics concepts in fun and interactive ways

ACTIVITIES
Math Club Member, Wabash College   August 2020 - Present
3D Printing Club Member, Wabash College   August 2019 - Present
Wrestler, Wabash College & Hillgrove High School   August 2015 - Present
- NCAA DIII Wrestling National Duals (4th Place), NCAA DIII Wrestling National Duals (4th), GHSA Individual Wrestling State Champion