

Zach Buford

Pursuing a role that will require full use of my technical chemistry knowledge and critical thinking skills to create value and community

Zachary D. Buford
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EDUCATION

Bachelor of Science, Chemistry – Purdue University

August 2018 - Present Day

- College of Science at West Lafayette campus
- Minor: Computer Science
- Anticipated Graduation Date: May 2022

Relevant Coursework

- Organic Chemistry I & II
- Chemical Literature
- Object Oriented Programming
- Fossil Fuels, Energy & Society

EXPERIENCE

Sylvan Learning Center, Lafayette, IN – Tutor and Test Proctor

September 2020 - Present

- Tutoring 3rd-11th graders in Mathematics, Reading and Writing, and Homework Support up to and including calculus
- Teaching SAT preparation, and have increased several students scores by up to 400 points
- Proctoring professional applicancy tests (USMLE, etc.) for the Prometric Testing Center associated with the Sylvan

Purdue University, West Lafayette, IN – Chemistry Maintenance

January 2020 - March 2020

- Maintained and serviced over 250,000 ft² of classroom and lab space, including the handling and transport of hazardous materials
- Interfaced with researchers, professors, and students to organize lab space, increasing laboratory efficiency
- Incorporated preventative maintenance tasks into everyday upkeep procedures, increasing productivity and reducing shop load

Penn High School, Mishawaka, IN – Computer Support Intern

May 2018 - August 2018

- Refurbished over 200 HP Chromebooks, requiring the use of both hardware and software skills
- Provided Technology Support for a student and staff body of 4000 for their use of desktops, projectors, and other classroom technology
- Assisted in organizing a transition between helpdesk ticketing systems

SKILLS

- Java Development
- C++ Development
- Hazardous Chemical Handling
- Volumetric Analysis
- IR, NMR, Mass Spectroscopy
- Thin Layer & Column Chromatography
- Rotational Spectroscopy

ACHIEVEMENTS

- Recognized National Merit Scholar from The National Merit Scholarship Corporation