



# JOSHUA PARK

(765) 637-8935 · [wjoshpark@gmail.com](mailto:wjoshpark@gmail.com) · [www.joshpark.dev](http://www.joshpark.dev) · [www.linkedin.com/in/jaesahng](https://www.linkedin.com/in/jaesahng)

## EDUCATION

### Purdue University

Bachelor of Science – BS, Mathematics & Computer Science

West Lafayette, IN

May 2025

Relevant Coursework: Object Oriented Programming, C Programming, Data Structures & Algorithms,

Calculus I-III, Discrete Mathematics, Differential Equations, Linear Algebra I-II, Real Analysis

### West Lafayette High School

Core 40 Diploma with Academic Honors

West Lafayette, IN

May 2021

## EXPERIENCE

### Purdue University Rosen Center for Advanced Computing (RCAC)

West Lafayette, IN

#### Research Support Developer

April 2021 – Present

Create tools to collect and analyze performance data to find the most efficient environment for different use cases

- Write applications in Python to monitor telemetry data from clusters and verify allocated resources are being utilized
- Maintain unit test suite used to check cluster health and assert that various modules load correctly

### Purdue University Recreation and Wellness

West Lafayette, IN

#### Climbing Wall Supervisor, Belay Staff

May 2022 – Present

- Assist patrons by providing equipment and belay services while prioritizing safety and standard climbing procedures

### Sub-Zero Group Inc.

Madison, WI

#### Software Quality Assurance Co-op

January 2023 – August 2023

- Worked as part of an Agile Scrum team to develop and maintain software QA infrastructure utilized by IoT modules in over 800k appliances worldwide
- Led design teams to develop and implement modular and robust test cases while emphasizing high quality code and documentation, greatly reducing general development overheads, in areas like code review and developer onboarding
- Collaborated with mobile development team to begin replacing manual testing with automated integration tests, streamlining regression testing, and playing an integral part in the rise in user ratings from 1.3/5.0 to 4.8/5.0

## LEADERSHIP

### Purdue Overwatch Club

West Lafayette, IN

#### President, Officer, Team Captain

May 2021 – January 2023

- Primary representative/contact between the Overwatch Club and the University's esports coordinators
- Selected as one of four organizations to join Purdue University's inaugural university-sponsored esports program
- Oversaw organization and registration of >40 members for the National Esports Collegiate Conference

### Purdue University Mathematics Society

West Lafayette, IN

#### Marketing/Outreach Officer

September 2021 – May 2022

- Organized announcements for club events, designed posters to advertise club events, built club social media accounts

## PROJECTS

### GitHub

[www.github.com/joshpark8](https://www.github.com/joshpark8)

### pybench

A CLI tool used to benchmark RCAC HPC performance against multiple data types and environments

### TempMonitor

A project with the goal of monitoring and/or controlling hedgehog's cage temperature

## SKILLS

### Languages

Python, Java, Bash, C, Dart, Flutter

### Software

Git, GitHub, Microsoft Azure, Splunk, VS Code, MS Office, Google Suite

### Practices

Continuous Integration, Agile, Scrum, Software Automation, DevOps, Software QA