­­JOSHUA PARK

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EDUCATION

**Purdue University West Lafayette, IN**

*Bachelor of Science – Mathematics & Computer Science* May 2025

Coursework: Programming I (Java), C Programming, Discrete Math, Calculus I-III, Linear Algebra I-II, Data Structures and Algorithms, Differential Equations, Real Analysis

**West Lafayette High School West Lafayette, IN**

*Core 40 Diploma with Academic Honors* May 2021

EXPERIENCE

**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 over 800k appliances, actively participating in all stages of the software development lifecycle
* Led design teams to develop and implement modular and robust test cases in Python 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 for Flutter applications, streamlining regression testing and playing an integral part in increasing user ratings from 1.3/5.0 to 4.8/5.0

**Purdue University Rosen Center for Advanced Computing (RCAC) West Lafayette, IN**

*Research Support Developer* April 2021 – Present

* Create shell scripts to collect and analyze performance data to find the most efficient environment for popular computations
* Write applications in Python to monitor telemetry data from clusters and verify allocated resources are being utilized
* Maintain unit test suite used to check HPC 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

* Supervise patrons while prioritizing safety and standard procedures, using clear communication and strong interpersonal skills

LEADERSHIP

**Purdue Overwatch Club West Lafayette, IN**

*President (2022-2023), Officer (2021-2023), Team Captain (2021-2023)* April 2021 – Present

* Served as primary representative and contact between the club and Purdue University’s Esports coordinators
* Selected as one of four student organizations to join the first university-sponsored esports program
* Oversaw organization of <40 members among seven teams and registration for the National Esports Collegiate Conference

**Purdue University Mathematics Society West Lafayette, IN**

*Marketing/Outreach Officer* September 2021 – May 2022

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

PROJECTS

**GitHub** github.com/joshpark8

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

**TempMonitor**An ongoing project with the goal of remotely monitoring and controlling pet hedgehog cage temperature

SKILLS

**Languages** Python, Java, Bash, C, Dart/Flutter

**Software** Git, Vim, GitHub, Microsoft Azure, Splunk, VS Code, LaTeX, Microsoft Office, Google Suite

**Practices** Continuous Integration, Agile, Scrum, Software Automation, DevOps, Software Quality Assurance