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JOSHUA PARK

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EDUCATION

**Purdue University West Lafayette, IN**

Bachelor of Science – BS, Mathematics/Computer Science May 2025

Bachelor of Arts – BA, Asian Studies May 2025

Relevant Coursework – Object Oriented Programming, Programming in C, Calculus I - III, Introduction to Statistics

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

Core 40 Diploma with Academic Honors May 2021

SKILLS ­­­

**Languages** Python, Java, CLI, Linux/Bash, C, MATLAB, Simulink

**Software** Git, Splunk, Microsoft Office 365

EXPERIENCE

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

*Research Support Developer* April 2021 – Present

* Work under a Senior Data Scientist to develop applications used to assist researchers using RCAC Clusters
* Create dashboards in Splunk to visualize cluster usage data
* Write Python applications to track telemetry data from clusters
* Write benchmarking tests for clusters in Python

ORGANIZATIONS

**American Society of Mechanical Engineers (ASME) West Lafayette, IN**

*Simulations Team* September 2022 – Present

* Simulate racing environments using Simulink in MATLAB for the Purdue ASME Grand Prix Team

**Purdue Overwatch Club West Lafayette, IN**

*President* May 2022 – Present

* Selected as one of four founding organizations for Purdue’s inaugural university sponsored esports program
* Oversee the registration of 40+ members with the National Esports Collegiate Conference (NECC)
* Coordinate practices and matches with other collegiate teams

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

*Officer, Marketing/Outreach* September 2021 – May 2022

* Organized announcements, made posters to advertise club events, built social media for club
* Coordinated with the Purdue Math department to organize talks by professors

PROJECTS

**GitHub** [www.github.com/joshpark8](http://www.github.com/joshpark8)

*pybench* A benchmarking tool used to measure performance on Purdue RCAC clusters

*Spotifybot* A Discord bot to access basic information about artists via the Spotify API

*StatWatch* An application that tracks and logs a player’s Overwatch skill rating (SR) data with various APIs

*PurdueStat* A tool used to easily analyze and manage statistics generated in Overwatch matches

*Woourdle* A graphical clone of the popular word game “Wordle” created from scratch