

RACHEL PINEDA

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(ROB)EDUCATION

Cornell University

B.S. in Computer Science; Minor in Operations Research

- Honors: Jacobs Engineering Scholar

Ithaca, NY

Aug. 2023 – Present

GPA: 3.81

Central Bucks High School South

High School Diploma

- Honors: GIEP Student, Summa Cum Laude Scholar

Warrington, PA

Aug. 2020 – June 2023

GPA: 4.62

PROJECTS

Personal Website (JavaScript, TypeScript, HTML, CSS)

Dec. 2023 – Present

- Design and develop using Figma, React JS, and Tailwind CSS; update frequently
- Create interface with interactive elements and ensure optimal performance across all devices

Slack Bot for Combat Robotics at Cornell (Python)

Jan. 2024 – June 2024

- Develop REST APIs using AWS Lambda and API Gateway to automate weekly reminders
- Implement a function with Slack API to sort chat by image and store them in DynamoDB

Intelligent Scissors Application (Java)

Apr. 2024 – May 2024

- Coded interactive image selection app using Dijkstra's algorithm and a heap priority queue
- Designed custom weights in "intelligent" algorithm to accurately follow edges in images

EXPERIENCE

John Hopkins Center for Talented Youth

Teaching Assistant

Collegeville, PA

July 2024 – Present

- Lead evening classes and teach applications of collegiate-level game theory and economics
- Cooperate with the instructor to plan and deliver course material for diverse learning styles
- Maintain consistent, professional correspondence with students, parents, and faculty

Combat Robotics at Cornell

Co-Lead of Marketing Team

Ithaca, NY

Oct. 2023 – Present

- Led group of engineers to renovate website using Figma and migrate to React framework, reducing codebase by 80% and improving overall code organization
- Manage 5-member team through weekly 6-hour meetings and structure semester timeline
- Communicate with corporate sponsors; boosted sponsorship revenue by 12% in first year
- Submit weekly and semesterly reports to manage task progress and descriptions

Bucks Bubbles

Seasonal Event Staff & Social Media Manager

Glenside, PA

May 2023 – Present

- Gather customer feedback to continuously improve event offerings
- Launched new snow parties resulting in increased social media engagement by 55.5%

TECHNICAL SKILLS

Languages/Frameworks: Python, Java, JavaScript, TypeScript, React, HTML, CSS

Software: MS Office & Google Suite, AWS Lambda & DynamoDB, Figma, Autodesk Fusion