

RACHEL PINEDA

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EDUCATION

Cornell University

B.S. in Computer Science; Operations Research Minor

- Awards: Jacobs Engineering Scholar

Ithaca, NY

Aug. 2023 – Present

GPA: 3.81

Central Bucks High School South

High School Diploma

- Awards: GIEP Student, Summa Cum Laude Scholar

Warrington, PA

Aug. 2020 – June 2023

GPA: 4.62

PROJECTS

Personal Website

Warrington, PA

Dec. 2023 – Present

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

Intelligent Scissors Application

Ithaca, NY

Apr. 2024 – May 2024

- Coded interactive image selection app in Java using Dijkstra's algorithm and priority queues
- Developed custom weights in "intelligent" algorithm to accurately follow edges in images

Charity Club for Children's Hospital of Philadelphia

Warrington, PA

Founder

Sept. 2021 – June 2023

- Managed sponsorships and outreach events; raised over \$7,000+ for Cardiac Center
- Grew membership by 40% through the creation and promotion of social media tools

EXPERIENCE

Combat Robotics at Cornell

Ithaca, NY

Co-Lead of Marketing Team

Oct. 2023 – Present

- Lead group of engineers to renovate website using Figma and migrate to React framework, reducing codebase by 80% and improving overall code organization
- Develop REST APIs using AWS Lambda to automate weekly reminders with a Slack bot
- 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

Glenside, PA

Seasonal Event Staff & Social Media Manager

May 2023 – Present

- Communicate with coworkers to ensure successful execution of foam and snow parties
- 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