

# RACHEL PINEDA

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## EDUCATION

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### 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

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### 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

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### Combat Robotics at Cornell

**Ithaca, NY**

*Co-Lead of Marketing Team*

Oct. 2023 – Present

- Directed 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

### John Hopkins Center for Talented Youth

**Collegeville, PA**

*Teaching Assistant*

July 2024 – Aug. 2024

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

### Bucks Bubbles

**Glenside, PA**

*Seasonal Event Staff & Social Media Manager*

May 2023 – Aug. 2024

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

## TECHNICAL SKILLS

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

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