

Makenna Swartz

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Education

- Rochester Institute of Technology, Rochester, NY
- Bioinformatics and Computational Biology
- BS | Expected December 2024

Honors and Awards

- Dean's List
- Presidential Scholarship
- Cumulative GPA 3.7

Key Courses

- Statistical Analysis for Bioinformatics
 - Bioinformatics Languages
 - Ethics in Biology and Medicine
 - Molecular Biology & Lab
 - Organic Chemistry & Lab
 - Statistics and Calculus
 - Biochemistry
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Skills

Programming Languages

- Java
- Python
- Perl
- R
- JavaScript
- HTML/CSS

Wet Lab

- DNA/RNA/Protein Isolation
- Gel Electrophoresis
- PCR and Reverse PCR
- Spectrophotometer Use
- Plating and Pipetting
- HIC Column Separation

Other

- Problem-Solving Abilities
 - Communication Skills
 - Leadership Experience
 - Attention to Detail
 - Scrum
 - Public speaking
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Projects

Undergraduate Research, [Schulze Lab](#), Rochester Institute of Technology, October 2022 - Present

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Developer & Team Leader, [Mobile Application Development](#), Easton Area High School, 2019 - 2021

- Constructed a mobile application to manage, connect and inform FBLA chapters.
- FBLA's 2020 national winner in their mobile application development competition.
- Responsible for the front-end development, as well as preparation and presentation of results.
- Maintained communications between advisors and team members while using time management skills to effectively meet deadlines.