

Corin Winikoff

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EDUCATION

University of Pittsburgh — Frederick Honors College

Expected Graduation May 2028

B.S. Physics, minor in Mathematics · GPA 3.95 / 4.00 · Pittsburgh, PA

- Coursework: Mechanics, Principles of Modern Physics 1–2, Thermal & Modern Physics, Analog & Digital Electronics, Modern Physics Measurements; Honors Calculus, Linear Algebra, Differential Equations, Introduction to Theoretical Mathematics.

Taylor Allderdice High School

Graduated June 2024

Valedictorian · Engineering Magnet Program · Pittsburgh, PA

RESEARCH

Bioscience Innovation Research — Berlin, Germany

Summer 2026

Frederick Honors College, Frederick Firsts Seminar: Bioscience Breakthroughs (study abroad, A+)

- Conducted field research across Berlin's bioscience sector, studying how laboratory breakthroughs move from research institutes into commercial and clinical use.
- Visited and interviewed researchers at Berlin biotechnology institutes, startups, and incubators, comparing the German innovation and funding pipeline against the U.S. model.
- Analyzed the regulatory, funding, and translational barriers that determine which discoveries reach patients, and presented findings in a written research report and final presentation.

Directed Study in Combinatorics

Spring 2025

University of Pittsburgh, with Dr. Jeffrey Wheeler

- Investigated Stirling numbers (first & second kind) and Bernoulli numbers; presented findings at the Pitt Spring Undergraduate Research Fair.
- Produced academic articles and presentation posters typeset in LaTeX.

PROJECTS

frúto — iOS produce price tracker

2026 – Present

- Built and shipped independently; live on the Apple App Store with over 20 active users.
- Crowdsourced produce pricing, receipt OCR, recipe suggestions, and a home screen widget, backed by Firebase.
- Handles the full product: Swift/SwiftUI development, backend, in-app purchases, App Store submission, and marketing.

Remember When — iOS memory-sharing app

2026

- In development: a social app for recording and sharing obscure shared memories as short videos.
- Built in SwiftUI with CloudKit sync and on-device speech transcription.

WORK EXPERIENCE

Lifeguard

Summers 2023, 2024

Highland Park Pool, Pittsburgh, PA — the city's largest public pool, 100,000+ patrons per season

- Maintained CPR and first aid certifications; executed crisis response during a critical public safety incident.
- Monitored a high-traffic facility and enforced safety protocols across a large, diverse patron population.

LEADERSHIP & ACTIVITIES

- Vice President, Men's Club Lacrosse — University of Pittsburgh (2026–2027 season)
- Eagle Scout, Boy Scouts of America (2023)

SKILLS

Languages & Tools: Swift, SwiftUI, Python, LaTeX, AutoCAD, Firebase, Git

Other: Public speaking, technical writing, research writing

REFERENCES

Dr. Jeffrey Wheeler — Department of Mathematics, University of Pittsburgh · jwheeler@pitt.edu

Research advisor, Directed Study in Combinatorics