

EDUCATION

Bachelor of Arts: Mathematics and Computer Science, *Hamilton College* Aug 2021 — May 2025
Cumulative GPA: 3.78
NESCAC All-Academic Team

EMPLOYMENT

Informational Technology Intern May 2024 — Aug 2024
Oppenheimer & Co. Inc. New York, NY

- Developed and optimized backend endpoints for the financial advisor platform, enhancing system performance and user experience.
- Implemented unit tests to ensure the reliability and functionality of new and existing code.
- Wrote SQL queries to retrieve and analyze data from company databases, supporting backend development and ensuring data accuracy.
- Participated in stand-ups and code reviews using the Agile development process.
- Led winning intern team on an equity research project, analyzing market data to develop a diversified portfolio that we presented to a board of managing directors.

Computer Science Teaching Assistant Aug 2022 — Present
Hamilton College Clinton, NY

- Supporting students in understanding and completing coding labs, providing guidance on programming concepts, debugging, and problem-solving.
- Evaluating and grading coursework while providing constructive feedback to students to enhance their understanding of course materials and improve coding proficiency.

Client Success Intern May 2022 — Aug 2022, May 2023 — Aug 2023
Predictive Success Corporation Whitby, Ontario, Canada

- Established a client sales performance map in Excel that evaluates a sales department based on proprietary Predictive Success metrics.
- Analyzed the Predictive Success executive clients assessment data in Excel to design a model for the ideal CEO and presented the results to the Predictive Success team.

PROJECTS/EXPERIENCE

NFL Big Data Bowl 2024 Nov 2023 — Jan 2024
NFL Football Operations

- Competed in the NFL's annual competition to explore statistical innovations in football with a provided data set.
- Analyzed frame-by-frame data in R to create a spatial influence zone of a defensive player.
- Studied the interaction of the influence zone with over thousands of plays and implemented machine learning techniques to develop an influence metric for defensive players for each play.
- Valued defensive players through statistical analysis of the influence metric and other innovative features beyond common performance statistics.
- Manipulated frame-by-frame data in R to generate insightful visualizations for football plays.

Psi Upsilon Undergraduate Endowment Committee Dec 2023 — Present
Psi Upsilon Psi Chapter

- Serving as a member on the student-led financial committee that manages the endowment of the fraternity.

ACTIVITIES

Hamilton College Football, *Captain*
Psi Upsilon Psi Chapter, *President*
Hamilton College App Development Team, *Member*

SKILLS

Tools and Languages R, Python, SQL, Scikit-learn, Excel, C++, Ruby, Clojure, Haskell, \LaTeX
Interpersonal Leadership, Teamwork, Responsibility, Dependability, Flexibility