

# Christina C. Unkenholz

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## EDUCATION

### Cornell University

*Bachelor of Science in Computer Science, Minor in Information Science — GPA: 3.83*

Aug. 2021 – May 2025

*Ithaca, NY*

## EXPERIENCE

### Analyst Internship Program

*Capital One*

Jun. 2024 – Aug. 2024

*New York, NY*

- Analyzed travel data utilizing SQL and built a predictive model in Python, incorporating machine learning algorithms to optimize marketing timing and enhance customer engagement strategies
- Conducted comprehensive analyses using statistical methods to estimate the total revenue opportunity of expanding access to Capital One Travel, supporting strategic business decisions with data-driven insights

### Analyst Early Internship Program

*Capital One*

Jun. 2023 – Aug. 2023

*McLean, VA*

- Developed small business banking loan pricing strategies using customer relationship valuation models and analyzing large datasets of lending data using SQL and Python
- Conducted quantitative analyses to devise a new loan exception-pricing strategy, utilizing statistical techniques to address the 61% of loans that are exception-priced

### Hyperloop Project Team

*Cornell University*

Sep. 2022 – May 2023

*Ithaca, NY*

- Developed the front-end of a GUI in Python for monitoring transportation pod metrics and data visualization

## PROJECTS

### PlateDate | *Python, JavaScript, HTML/CSS*

Feb. 2024 – May 2024

- Developed a web platform with a responsive front-end using JavaScript and HTML/CSS to help users discover recipes based on group preferences
- Applied natural language processing techniques to process over 500,000 recipes, utilizing machine learning techniques to enhance recipe retrieval

### Phylogenetic Hidden Markov Models | *Python*

Oct. 2023 – Dec. 2023

- Identified conserved DNA regions across species using Hidden Markov Models and phylogenetic analysis by implementing dynamic programming algorithms

## COMPUTER LANGUAGES

Java, C, JavaScript, Python, SQL, HTML/CSS, R, OCaml

## LEADERSHIP

### CS 4320 Teaching Assistant

*Cornell University*

Aug. 2024 – present

*Ithaca, NY*

- Support students in mastering database concepts through lab assistance, office hours, and feedback on assignments

### Society of Women Engineers (SWE)

*Cornell University*

Aug. 2021 – present

*Ithaca, NY*

- Fundraising Director - Plan and organize fundraising events and apply for grants to fund SWE initiatives

### CUEmpower

*Cornell University*

Aug. 2021 – present

*Ithaca, NY*

- Peer Mentor - Guide and support first-year minority engineering students

## COMMUNITY SERVICE/VOLUNTEER WORK

### Encouraging Young Engineers and Scientists

*Cornell University*

Aug. 2022 – present

*Ithaca, NY*

- Plan and conduct STEM outreach at local elementary schools

### Guiding Eyes for the Blind Club

*Cornell University*

Aug. 2021 – present

*Ithaca, NY*

- Enhance awareness of and support guide dogs on campus

## HONORS/AWARDS

### Shining Star Award

*Capital One Analyst Internship Program*

2024

*New York, NY*

- Award given to 3 out of 286 interns for exceptional performance

### Mary Miller Lyons Scholarship Recipient

*Alpha Phi Foundation*

2023

*Denver, CO*

### Dean's List

*Cornell University College of Engineering*

2021 – 2024

*Ithaca, NY*

### Hispanic Scholarship Fund Scholar

2021 – 2024

### New York State Award of Excellence

2021 – 2024