

# Milena Synek

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## EDUCATION

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New York University Expected May 2027  
*BA in Computer Science | Presidential Honors Scholar | GPA: 3.82/4.0*  
**Relevant Coursework:** Data Structures, Algorithms, Discrete Math, Linear Algebra, Web Development

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, HTML/CSS, PHP  
**Technologies:** Git, React Native, React, Vue.js, SQL, Unix

## EXPERIENCE

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Pimic May 2025 – Aug. 2025  
*Software Intern*

- Automated chip-level noise reduction tests with Bash scripts, improving metric reliability and reducing manual QA time.
- Simulated AI chip instruction pipeline in Python, informing design decisions and optimizing processing logic in collaboration with hardware/software teams.
- Documented test procedures and architecture models to support team knowledge sharing and iteration.

NYU Courant Sep. 2024 – Present  
*Tutor*

- Support professors in increasing the understanding of various Python concepts for around 100 students in Intro to Computer Programming
- Provide one-on-one support for reinforcing fundamental knowledge and for debugging weekly assignments

iD Tech Camps June 2025 – Aug. 2025  
*Instructor*

- Taught week-long courses in Python and beginner AI, as well as Java Modding with Minecraft, delivering engaging, age-appropriate instruction to students aged 10–17.
- Guided students through core programming concepts (variables, loops, conditionals, OOP) with a focus on creativity and hands-on projects.
- Facilitated collaborative coding, introduced AI fundamentals, and provided individualized support for troubleshooting and final project development.

## PROJECTS

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### Restaurant Battle | *React Native, Flask, SQL, Google Places API*

- Engineered a full-stack web application with a small team that utilized the Google Places API to offer users restaurant recommendations nearby.
- Developed an interactive, gamified UI using React Native that allowed users to swipe between options, and implemented a database for storing likes, saved places, and login information
- Presented and demoed our project for an audience of around 50 fellow students, developers, and industry professionals

### Fridge Buddy | *React, MongoDB, Google Gemini, Flask*

- Architected a browser utility that documents users' fridge contents and, through Gemini's API, generates recipe options
- Designed custom GUI elements that improve user experience, making the process of recording ingredients more fun and organized, along with a form system that easily isolates specific ingredients