

# Nicholas Lago

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## EDUCATION

### University of Delaware

Expected May 2025

Bachelor of Science in Computer Science, Minor in Mathematics

Newark, DE

Relevant Courses: Data Structures, Algorithms, Software Engineering, Machine Learning

- 3.74 GPA
- 3.84 Major GPA
- VIP Drone Research
- Dean's List 2021, 2022, 2023

## EXPERIENCE

### Web Development Intern

February 2024 - June 2024

Leap Brands

Whippany, NJ

- Built web applications and implemented complex features with **Next.js** and **TypeScript**.
- Collaborated with a development team to optimize and refine applications for enhanced UX.
- Designed visually appealing interfaces and graphics for company marketing and promotion.

### Computer Science Lab Assistant

January 2023 - January 2024

University of Delaware

Newark, DE

- Managed and led lab sections for students learning systems programming and **C**.
- Provided extra help outside of the classroom via online and in-person meetings.

### Computer Science Teaching Assistant

August 2022 - January 2023

University of Delaware

Newark, DE

- Taught students to master **Python** concepts through 80 person lectures.
- Graded and assisted projects and assignments for a cohort of 15 students on Canvas.

## PROJECTS

### nicklago.com

Portfolio Website

- Created and published a personal website to serve as a portfolio that showcases relevant projects.
- Applied **HTML**, **CSS**, and **JavaScript** to gain a deeper grasp of frontend development.

### Colorize

Chrome Extension

- Created Colorize, an accessibility tool featured on the Chrome Web Store with 90+ active users.
- Allows colorblind users to distinguish colors by correcting for their specific type of color vision deficiency.
- Utilized a daltonization algorithm to apply a filter on images in the browser with **JavaScript**.
- Implemented Chrome APIs to communicate from popup script to background script and store settings.

### Alfred AI

Artificial Intelligence ChatBot

- Developed a voice-activated ChatBot named Alfred AI, enabling users to engage with an artificial intelligence interface through voice commands and responses, without manual input.
- Combined **WebSpeech API** and **OpenAI API**, for a speech recognition system run on a **Node** server.

## SKILLS

**Languages:** Python, Java, C, C++, JavaScript, TypeScript, R

**Tools:** React, Node.js, Next.js, Git, HTML, CSS, Tailwind, VS Code, MediaPipe, Photoshop, Illustrator, Figma