Nicholas Lago

https://nicklago.com

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Python, Java, C, C++, HTML, CSS, JavaScript

EDUCATION

University of Delaware   Newark, DE | Expected in May 2025

Bachelor of Science in Computer Science

Relevant Courses: Data Structures, Algorithms, Software Engineering, Discrete Mathematics, Statistical Methods.

- 3.59 GPA
- VIP Drone Research
- Dean's List 2021, 2022
- CS + Social Good Club

EXPERIENCE

University of Delaware CISC Department   Newark, DE | August 2022-Present

Computer Science Teaching Assistant

- Teach students computer science by mastering concepts in **Python** through 80 person lectures, and one-on-one instruction.
- Grading and assisting projects and assignments for a cohort of 15 students on **Canvas**.
- Proctor midterm and final exams for those in Disability Support Services by accommodating medical needs.

Computer Science Lab Assistant

- Manage and run lab sections for students pursuing a major in Computer Science.
- Hold office hours to provide students with extra help outside of the classroom via online and in-person meetings.

PROJECTS

nicklago.com

Portfolio Website

- Created and published a personal website to serve as a portfolio that showcases projects.
- Self taught **HTML**, **CSS**, and **JavaScript** and applied the skills learned to gain a deeper grasp of **frontend development**.

Colorize

Chrome Extension

- Created Colorize, an accessibility tool featured on the Chrome Web Store that allows colorblind users to distinguish colors by correcting for their type of color vision deficiency (Protanopia, Deuteranopia, Tritanopia).
- Utilized a daltonization algorithm to apply a filter on images in the browser with **JavaScript**.
- Implemented **Chrome APIs** to save users local settings, and communicate from popup script to background script.

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 the need for manual input.
- Combined **WebSpeech API** and **OpenAI API**, for a speech recognition system that interacts with the AI on a **Node** server.

AWARDS

RISE: Resources to Inspire Successful Engineers Scholarship   Newark, DE | August 2021-Present

- Selected for a scholarship in the RISE community, a program to assist underrepresented backgrounds to succeed at the highest levels in engineering fields.

SKILLS

Python, Java, C, C++, HTML, CSS, JavaScript, React.js, Node.js, Adobe Photoshop, Website Development, Lecturing, Tutoring.