

Martine Ferrency

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EDUCATION

New York University

August 2022 – May 2026 (anticipated)

Bachelor of Arts in Computer Science

GPA: 3.93/4.0

Relevant Coursework: Data Structures, Introduction to Computer Science, Discrete Mathematics, Computer Systems Organization

EXPERIENCE

Volunteer Instructor

January 2021 – August 2021

Steel City Codes

Pittsburgh, PA

- Developed lessons and activities, and led group projects in Java and Python for students in grades 4-12.
- Collaborated with a team of co-teachers to lead successful summer and school year programs.
- Fostered a comfortable environment where underprivileged students were free to learn and experiment with computer science.

Duolingo Global Ambassador

February 2019 – August 2019

Duolingo

Pittsburgh, PA

- Researched and generated practice exercises and translations for the incubatory Duolingo Latin course.
- Identified patterns to cover all accepted translations for each sentence and implemented them.
- Served as a forum moderator for the Duolingo Latin forums.

PROJECTS

Portfolio Website | *HTML/CSS, Javascript*

August 2023 – Present

- Designed, developed and published my personal portfolio website from scratch, using HTML/CSS and Javascript.

Cher's Closet 2.0: Your Personal Styling Machine | *Java, HTML/CSS*

May 2021

- Web-scraped HTML data from e-commerce websites, exported to Java, and displayed product images.
- Developed a matching algorithm to automatically generate coordinated outfits based on products.
- Ensured relevancy of the app as fashion trends evolve by refreshing the product data at program run.

SKILLS

Technical Skills: Java, Python, C/C++, HTML/CSS, Javascript, Git, VS Code, NextJS

Languages: English (native), German (professional working proficiency), French (elementary)

AWARDS

Duolingo Language Impact Award

November 2022

Duolingo

- A \$4M shared fund awarded to the volunteers who helped bring dozens of new language courses to Duolingo's platform.

Congress-Bundestag Youth Exchange Scholarship Recipient

March 2021 – June 2022

U.S. State Department and German Bundestag

- Served as a youth ambassador to Germany co-sponsored by the U.S. Department of State and German Bundestag.
- One of 250 American high school students to be awarded the Congress-Bundestag Youth Exchange scholarship for the 2021-2022 academic year.