

Rachel Wilson

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

September 2020 - May 2025

Earned a Bachelor of Science in Computer Science with a minor in Hispanic Studies. Currently completing the Fifth Year Scholarship. QPA: 3.82.

Bard High School Early College Queens, NYC, NY

September 2016 - June 2020

Earned an NYC public high school diploma and an Associate of Arts diploma from Bard College. GPA: 4.0

EXPERIENCE

CMU CS Academy – *Engineer, Educator, Translator*

January 2021 - August 2022, July 2024 - January 2025

Trained high school educators to teach computer science using the CS Academy curriculum in both English and Spanish, translated course content, and presented at two conferences – CSTA 2022 and Bett Brasil 2022; Recently doing full-stack web development.

Starbótica – *General Assistant*

May 2024 - July 2024

Designed coding activities for young students in Seville, Spain. Provided English tutoring for some clients. Starbótica is a one-woman company providing technology training and programming courses to all ages.

Duolingo – *Software Engineer Intern*

May 2023 - August 2023

Created a chatbot using React and GPT-4 to answer questions about an internal tool used by hundreds of content developers.

SNAP Lab, CMU – *Networking Researcher*

January 2023 - May 2023

Worked with Justine Sherry and Pratiksha Thaker to model end-to-end delay for networks with multiple links, which helps to understand fairness in network congestion control, culminating in a poster presentation.

Bard High School Early College – *Teaching Assistant*

June 2022

Taught Python daily in four classes of 9th, 10th, 11th, and 12th grade high school students attending a public school in New York City.

SKILLS

Coding, Writing, Teaching, Presenting, Organizing

Languages: English, Spanish (fluent)

Coding Languages & Tools:

OCaml, React, Typescript, CSS, Python, C, SML, LaTeX, Unix/Linux, git, GitHub

Coursework:

- Programming Language Theory (Teaching Assistant)
- Compiler Design
- Computer Security
- Ethics and Policy in CS (current TA)
- Body Politics: History of Women's Health in the US
- Spanish Sociolinguistics (taught in Spanish)

AWARDS & HONORS

Fifth Year Scholars (2024-2025)

Moderated a Panel at CSforAll (2024)

CMWA Award Recipient (2024)

Senior Leadership Recognition (2024)

Phi Beta Kappa Society (2024)

Scott Robert Krulcik Scholarship in Computer Science (2023)

PROJECTS

Compiler (2024)

A compiler written in OCaml translating from C0, a safe C-like language, to x86-64 Assembly

Wikipedia Word Chase (2020)

Multiplayer Python word game [\[link\]](#)