

Rachel Wilson

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

September 2020 - May 2024

Earned a Bachelor of Science in Computer Science with a minor in Hispanic Studies. Awarded the Fifth Year Scholarship to pursue research. GPA: 3.82.

Bard College, Long Island City, NY

September 2018 - June 2020

Earned an Associate of Arts diploma from Bard College while attending Bard High School Early College Queens. GPA: 4.0

EXPERIENCE

CMU CS Academy – *Translator, Educator, Engineer*

January 2021 - August 2022, July 2024 - January 2025

Did full-stack web development in React. Trained high school educators to teach computer science using the CS Academy curriculum in both English and Spanish, translated course content, and presented at three conferences – CSTA 2022, Bett Brasil 2022, CSforAll 2024.

Starbótica – *Bilingual Educator*

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, Translating

Languages: English, Spanish (fluent)

Coding Languages & Tools:

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

Coursework:

- Programming Language Theory (Teaching Assistant)
- Compiler Design
- Latin American History
- Ethics and Policy in CS (TA)
- Spanish Sociolinguistics (taught in Spanish)

AWARDS & HONORS

Fulbright Scholar (2026-2027)

Dietrich Humanities Prize (2025)

Sigma Tau Delta (2025)

Fifth Year Scholarship (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) [\[link\]](#)