

# Aminah Aliu

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## EDUCATION

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### Princeton University

Bachelor of Arts in Computer Science, Minor in Entrepreneurship

Princeton, NJ

Expected May 2025

**Awards:** Questbridge Match Scholar, Thrive Scholar, MLT Scholar, Code 2040 Fellow

**Relevant Coursework:** Algorithms and Data Structures, Intro to Programming Systems

## TECHNICAL SKILLS

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**Programming Languages:** Proficient – Java, C, HTML, CSS; Familiar – Python, Go, OCaml, JavaScript

**Software:** Emacs, LaTeX, JSON, Git, Linux commands

## WORK EXPERIENCE

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### Uber

San Francisco, CA

UberSTAR Software Engineering Intern

May 2023 – Aug 2023

- Built data pipelines to analyze prevalent driver languages, translating insights into an interactive website using Presto, Python (pandas, Folium), as well as HTML/CSS
- Collaborated cross-functionally to evaluate current translation practices, aiming to utilize innovative language data for enhanced accuracy, improved app UI, and optimized translation costs
- Enhanced the fallback mechanism for the Uber Eats home feed by strategically restructuring loading processes using Go

### Jane Street Capital

New York, NY

Software Engineering Fellow at the Jane Street Immersion Program

May 2022 – Aug 2022

- Wrote a competitive trading bot for the Electronic Trading Challenge that earned \$20,000 in profit
- Developed an open source library, test suite, and demo UI using OCaml, HTML, and CSS for precise conversion between different colorspace and documented process clearly using GitHub

## PROJECTS

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### HackPrinceton (HTML, CSS, Bootstrap) – [GitHub](#)

- Collaborated with team of 3 computer science students from around the US to design and build web application that allows users to collaborate on art projects while handling version control using web3 storage provider [Estuary](#)
- Won three awards for Best Artsy Hack, Top Team, and Best Use of Estuary

### Directory and File Trees (C)

- Worked with different tree data structures (Binary Directory Tree (BDT), Directory Tree (DT), and File Tree (FT)) to create three implementations of a file manager
- Parsed through substantial amounts of pre-existing code in order to get up to speed on the codebase efficiently
- Collaborated to address pre-existing bugs in BDT implementation, created an internal validation module for the DT implementation, and reassessed program design in order to implement the FT interface

## LEADERSHIP AND PROFESSIONAL DEVELOPMENT

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### Learn from Scratch

Palos Verdes, CA

Community Service Site Co-Founder

Nov 2019 – Jun 2021

- Led a team of four volunteers teaching coding and basic computer science concepts using Hour of Code and Scratch
- Guided over 100 fourth-grade students over the span of four semesters in writing their first lines of code and completing open-ended projects, increasing their creativity, self-confidence, and problem-solving skills

### Management Leadership for Tomorrow (MLT)

Washington, DC

Career Preparation Fellow

Dec 2022 – Present

- Selected among thousands of high achieving applicants to participate in this Career Preparation program focused on professional and leadership development

### Thrive Scholars

Los Angeles, CA

Scholar

Apr 2020 – Present

- Selected as one of 100 students for a 6-year college access, college success and professional development program for high achieving, underrepresented first generation talent

## ADDITIONAL SKILLS AND INTERESTS

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Con conversationally fluent in French, Interested in creative writing, biking, video editing, crocheting, language learning, personal finance, and entrepreneurship