

Aliyah Zaizay

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Education

Rensselaer Polytechnic Institute (RPI)

Expected May 2027

Bachelor of Science in Computer Science

Troy, NY

Minor: Graphic Design

- **Relevant Coursework:** Data Structures (C++), Algorithms, Operating Systems, Programming Languages, Principles of Software, Interactive Data Visualization, Intro to IT & Web Sciences

Technical Skills

Languages: Python, JavaScript, C++, Java, basic SQL,

Frontend: React, HTML5, CSS3, Tailwind CSS, Responsive Design

Backend: Node.js, Flask, REST APIs

Cloud & DevOps: Git, Microsoft Azure ,CI/CD, Version Control Workflows, Bash

Work Experience

Avahi

May 2026 – Aug 2026

Incoming Software Development Intern

Remote

- Will contribute to projects involving Software Development.

America Reads and Counts

Sept 2023 – Present

Tutor (Work Study)

Troy, NY

- Provided individualized academic support to K-12 students, adapting instruction across reading, writing, and mathematics while reinforcing communication and problem-solving skills.

Rensselaer Pipelines Initiatives

May 2025 – Aug 2025

Teaching Assistant (In-Person)

Troy, NY

- Taught 8th-10th graders **Java programming fundamentals** in a project-based learning environment .
- Provided technical and academic support to 11th-12th graders in a **two-week immersive engineering program**.

Projects

Pulse NYC | Full Stack Developer | React, TypeScript, Tailwind CSS, Swift, Figma, Vercel

March 2026 – Present

- Collaborating with a small team to build a nightlife discovery platform delivering real-time "vibe" insights across NYC venues
- Designed UI/UX in Figma and developed a responsive marketing site using React, TypeScript, and Tailwind CSS, deployed on Vercel
- Developing a native iOS application in Swift to support mobile-first user experiences

RPIDorms | Rensselaer Center of Open Source

Jan 2025 – Dec 2025

- Collaborated in a **3-person founding engineering team** to build an open-source housing platform serving **1,000+ students**, developing responsive **React** interfaces and filtering features to make dorm comparison more intuitive and accessible.
- Implemented an **interactive, responsive map interface** with search and filtering using JSON datasets and the **Leaflet API**, improving dorm discovery by location and class year.
- Collaborated in an **8-person engineering team** using Git-based workflows and feature ownership.

Sustainable Swap | NSBE & SHPE Hackathon (3rd Place)

Feb 2025 – Feb 2025

- Built a peer-to-peer trading web application in a **3-person team** to facilitate item exchange during campus move-in and move-out periods.
- Developed frontend logic using **HTML, CSS, and JavaScript**, delivering a functional **MVP** within a constrained hackathon timeframe.
- Integrated a **CO₂ emissions tracker** visualizing reductions of up to **500kg**, translating sustainability impact into user-facing data insights.

Extracurricular Involvement

Black Student Association | RPI-Chapter

July 2025 – Feb 2026

- Public Relations Chair - Led digital outreach initiatives, increasing student engagement through targeted content and strategic communication.

National Society of Black Engineers | NSBE-RPI

April 2026 – Present

- Hackathon Director - Incoming role to lead the annual hackathon, handling logistics and execution.