

# Aliyah Zaizay

267-680-4608 [aliyahkzaizay@gmail.com](mailto:aliyahkzaizay@gmail.com) [linkedin.com/in/aliyah-zaizay](https://linkedin.com/in/aliyah-zaizay) [github.com/aliyahkzaizay](https://github.com/aliyahkzaizay)

## Education

### Rensselaer Polytechnic Institute (RPI)

Bachelor of Science in Computer Science  
Minor: Graphic Design

Expected May 2027

Troy, NY

- **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, C++, Java, JavaScript, HTML, CSS, R, SQL

**Frameworks & Tools:** React, Flask, MongoDB, Supabase, Git, Azure CI/CD

**Engineering Concepts:** Backend Development, Data Structures, Debugging, Unit Testing

## Projects

### RPIDorms | Rensselaer Center of Open Source

Jan 2025 – Present

- Developed a **full-stack web application** using **React, Flask, and Supabase** to help **1,000+ students** explore and compare campus dormitories.
- Built REST-style backend logic and frontend components supporting **authentication, reviews, and dorm metadata** across multiple pages.
- Implemented an **interactive map with search and filtering** over JSON datasets, enabling efficient 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

- Developed a functional web application in a **3-person team** enabling peer-to-peer item trading during move-in and move-out periods.
- Implemented frontend logic using **HTML, CSS, and JavaScript**, shipping a working MVP within a limited hackathon timeframe.
- Includes a **CO<sub>2</sub> emissions tracker** visualizing reductions of up to **500 kg**, reinforcing sustainability impact through data.

### AlumniNet | Rensselaer Center of Open Source

Sept 2024 – Dec 2024

- Built a web platform connecting **500+ students** to **1,200 alumni profiles** using **React, Express, and MongoDB**.
- Implemented **client-side filtering logic** by industry, company, and location to improve data accessibility.
- Designed and shipped responsive UI components aligned with user needs using **React and Figma**.
- Collaborated within a **4-person team** to iteratively develop and refine features.

## Work Experience

### America Reads and Counts

Sept 2023 – Present

Tutor (Work Study)

Troy, NY

- Provided one-on-one academic support to students ranging from **PreK** through **high school** in reading, writing, vocabulary, algebra, and trigonometry.
- Adjusted explanations based on individual student needs, from structured homework help to educational engagement activities.
- Communicated student progress with **parents** when requested.

### Rensselaer Pipelines Initiatives

May 2025 – Aug 2025

Teaching Assistant (In-Person)

Troy, NY

- Taught **Java programming fundamentals**, including control flow, debugging, and problem-solving, in a project-based learning environment.
- Provided technical and academic support to students in a **two-week immersive engineering program**.

### Walgreens

June 2023 – Jan 2024

Customer Service Associate

Glenolden, PA

- Delivered customer support in a **high-volume retail environment**, resolving issues and inquiries while maintaining accuracy under time pressure.
- Collaborated with team members to manage transactions, inventory, and store operations, demonstrating **reliability, communication, and professionalism**.

## Leadership

### Rensselaer Polytechnic Institute

May 2025 – Present

Leadership Roles – BSA & ColorStack

Troy, NY

- **Public Relations Chair, Black Student Association** – Led digital initiatives to increase engagement and visibility through structured content workflows and analytics-informed outreach.
- **Communications / Operations Chair, ColorStack** – Built internal systems for event coordination, documentation, and member communication.