

EDUCATION

Rutgers University

Bachelor of Science in Computer Science

New Brunswick, NJ

Expected May 2027

- **Dean's List:** Spring 2025 (3.91 GPA), Fall 2024 (3.79 GPA)

EXPERIENCE

Nito

Founder & Developer

New York, NY

May 2025 - Present

- Conceptualized and engineered a **React Native** mobile app for university students, facilitating anonymous, timed matchmaking to reduce social anxiety on campus.
- Deployed a scalable backend utilizing **AWS**, specifically **S3** for image storage, **SES** for email verification, and **Lambda** with **SQS** and **EventBridge** for automated matchmaking and timed reveal phases.
- Implemented database and API infrastructure with **MongoDB** and **Express.js**, integrated **WebSockets** for real-time interactions, and applied **Python-based vector embeddings** to enable interest-based matchmaking.

Deerect

Software Engineering Intern

New Brunswick, NJ

April 2025 - Present

- Collaborated with a team of 4 to build an innovative platform simplifying tax lien investments for investors.
- Built a responsive waitlist page using **Next.js** and **Tailwind CSS**, integrating Google Sheets via Google APIs to securely store over **150 user sign-ups**.
- Designed and developed the platform's initial mockups for **8 sections** on **Figma**, including the landing page, user dashboard, settings interface, and waitlist page.

Humanity Unleashed

Software Engineer

Remote

November 2024 - April 2025

- Collaborated with over **200 college students** from top universities and industry professionals to develop an AI-driven platform for government policy-making.
- Designed and developed frontend with **Figma**, **React**, and **Tailwind CSS**, implementing secure **Firebase** authentication and debugging to ensure performance.
- Authored comprehensive API documentation for a team of **10+ developers** and coauthored a research paper analyzing optimal database architectures, supporting team integration and platform design decisions.

PROJECTS

Lume

February 2025 - June 2025

- Developed a full-stack online learning platform with **React**, featuring a collaborative editor and an in-platform currency system to reward contributions and enable content access.
- Built robust RESTful APIs with **Express.js/Node.js**, integrating **MongoDB**, **AWS S3**, and **WebSockets** to support real-time collaboration, image uploads, and secure data storage.

Intermodal

October 2024

- Collaborated with a team of 3 to develop a **Swift**-based iOS app for planning multi-stop trips with **5 customizable transportation modes**.
- Leveraged **NJ Transit data (220+ stops)** and implemented **MapKit** with **MKDirections** to provide accurate real-time routing and visually distinct navigation paths, enhancing UX with a minimalist, intuitive design.

PUBLICATIONS

- Coauthor, "Creating a Cooperative AI Policymaking Platform through Open Source Collaboration," published on arXiv, December 2024. Available at arXiv:2412.06936.

CERTIFICATIONS

AWS Certified Developer - Associate

August 2025 - August 2028

AWS Certified Cloud Practitioner

June 2025 - June 2028

SKILLS

Languages: JavaScript, C, C++, Python, HTML, CSS, Java, Swift, SQL

Tools & Frameworks: React, React Native, Firebase, Node.js, Express.js, Next.js, Linux, Websockets, MongoDB, Git/Github, REST APIs, Figma

Cloud: AWS: S3, Lambda, EventBridge, SQS, SES, DynamoDB, ECS/EKS, EC2, API Gateway