

## EDUCATION

**State University of New York at New Paltz**  
B.S. Computer Science

New Paltz, NY  
Completed

## CERTIFICATIONS

**AWS Certified Cloud Practitioner**  
**AWS Solutions Architect**

March 2024  
In Progress

## SKILLS

**Programming/Scripting Languages:** Python, Typescript, JavaScript, Java, SQL, GraphQL  
**Frameworks/Libraries:** React, Redux Toolkit, Express, Flask  
**Data:** PostgreSQL, MongoDB, MySQL  
**CI/CD:** Github Actions, MongoDB, MySQL  
**Operating Systems:** Windows, macOS, Linux, iOS, Android

## PROFESSIONAL EXPERIENCE

### Software Engineer (Fellowship)

New York, NY

*Headstarter AI*

July 2024 - Present

- Developed and deployed five AI-driven web applications using Python, TensorFlow, and Flask, integrating machine learning models to enhance user experience and functionality.
- Led and participated in weekend hackathons, applying agile methodologies to rapidly prototype and deliver functional software solutions.

### Web Development TA

New York, NY

*Code Nation*

August 2023 - December 2023

- Delivered web development instruction (HTML, CSS, JavaScript, React) to middle school students via hands-on projects and collaborated on curriculum enhancement.

## RELEVANT EXPERIENCE / PROJECTS

### Software Engineer (Back End) -JavaScript, spaCy, Python, Flask, Heroku, SQL

New Paltz, NY

SUNY New Paltz TicketSense

Aug 2023 - Dec 2023

- Developed a machine learning model using a dataset of 10,000+ tickets to classify IT tickets, enhancing help desk efficiency and SLA compliance.
- Implemented osTicket REST API for automated ticket submission following data processing.
- Conducted API testing using Postman to ensure the reliability and accuracy of automated ticket submissions.
- Applied secure coding practices, including input validation, to prevent vulnerabilities such as SQL injection and Cross Site Scripting (XSS).
- Utilized Flask for creating a lightweight yet powerful web framework to support the backend.
- Deployed the application on Heroku, ensuring continuous integration and delivery.

### Full-Stack Developer -MongoDB, React, Tailwind, Express, Node.JS, Fly IO

New Paltz, NY

Rate My SUNY

Jan 2024 - Present

- Designed a scalable review platform for SUNY campuses leveraging the MERN stack.
- Implemented secure user authentication and authorization using JWT tokens and salted Bcrypt hashes, ensuring robust data protection.
- Deployed on Fly IO, solving load balancing and scalability challenges, ensuring high performance and reliability under heavy user traffic.
- Wrote integration tests for the API using Cypress and Node.js, ensuring application stability and performance through automated testing.
- Integrated Tailwind CSS for a responsive and modern user interface design.

### Software Engineer -Python, Bootstrap, HTML/CSS/JS, SQL, PHP

New Paltz, NY

Printer Dynamix (Capstone Project)

Jan 2023 - May 2023

- Engineered a centralized printer management system using Python and PHP, streamlining configuration and troubleshooting for SUNY New Paltz.
- Implemented intelligent printer selection algorithms with Pandas, Geopy, and SQL, enabling efficient proximity-based printer discovery.
- Collaborated with a cross-functional team to design a responsive, user-friendly interface using Bootstrap and custom HTML/CSS, enhancing overall user experience and simplifying printer-related tasks.

### Fullstack Engineer -React, GPT-4 Vision, Node, Prompting, Mongo DB

New Paltz, NY

Flavor Frames

Mar 2024 - Present

- Solved meal planning challenges by using OpenAI's image recognition to turn ingredient photos into personalized recipe suggestions.
- Enabled scalable user account creation, recipe saving, and editing, handling thousands of users efficiently with MongoDB.
- Implemented JWT for secure user access and integrated best practices like input validation and HTTPS enforcement.
- Utilized React hooks and state management to create a seamless and dynamic user experience.