

# HAMIL DIMAPANAT

Software Engineer

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## EDUCATION

**State University of New York at New Paltz**  
BS Computer Science

New Paltz, NY  
Sep 2019 - Dec 2023

- Relevant Coursework: Data Structures and Algorithms / Object Oriented Programming/ Software Engineering / Operating Systems / Data Science / Cyber Security Fundamentals

## CERTIFICATIONS

**AWS Certified Cloud Practitioner**

March 2024

**AWS Solutions Architect**

In Progress

## EXPERIENCE

**Volunteer Teaching Assistant, Web Dev Course**  
*Code Nation*

New York, NY  
August 2023 - Present

- Taught web development basics (HTML, CSS, JS, React) to middle school students through interactive projects.
- Collaborated with instructors on curriculum development, focusing on engaging and age-appropriate content

**Freelance Filmmaker & Photographer**  
*Filmmaker & Photographer*

Yonkers, NY  
August 2018 - Present

- Collaborated with over 20 clients to conceptualize, plan, shoot, and edit a diverse range of projects, including short films, promotional videos, and music videos.
- Developed strong client relationships, consistently met and exceeded expectations by delivering projects within deadlines and budget constraints.

## PROJECTS

**Rate My SUNY** *MongoDB, React, Express, Node, JWT, Fly IO*

- Online platform designed to help students, alumni, and prospective learners with insightful reviews about the campuses within the State University of New York (SUNY) system.
- Features CRUD functionality and user authentication/authorization.

**Printer Dynamix** *Python, Bootstrap, HTML/CSS, SQL, PHP*

- A printer management system for SUNY New Paltz printers. Worked on the front end to create a user-friendly interface. This app aims minimize the time allocated to printer configuration and monitoring.

**Flavor Frames** *HTML/CSS/JavaScript, React, OpenAI API GPT-4 Vision, Node JS, Express, Prompting, AWS S3, Cloudfront, Route 53, EC2 + Docker*

- Image Recognition: Simply upload an image of available ingredients in your fridge or pantry, and let OpenAI GPT4 Vision analyze and recognize them.
- AI-Powered Recipe Suggestions: Based on the ingredients identified, GPT4 suggests a unique recipe, including a list of ingredients and step-by-step cooking instructions.

**SUNY New Paltz TicketSense** *HTML/CSS/Javascript, spaCy, Python, Flask, Heroku, SQL, fastText*

- Trained a machine learning model using a data-set of over 5,000 resolved IT tickets. This model was then integrated into the back-end, enabling real-time ticket classification upon submission.
- Aimed to minimized IT ticket resolution times by helping desk personnel decide where to route a ticket.

## SKILLS

Programming Languages:	Java, Python, HTML/CSS/Javascript, SQL
Frameworks and Libraries:	Bootstrap, Express, Node, Flask, React, Tailwind, Scikit, Material UI, fastText
Tools:	Git, Visual Studio Code, Jupyter, Heroku, MongoDB, npm, Vite, AWS
Misc:	Scripting, Testing, Linux/Unix, REST , Deployment, Version Control, Prompting
Languages:	English, Tagalog(Fluent), Cebuano(Fluent)