

HAMIL DIMAPANAT

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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

EXPERIENCE

Volunteer Teaching Assistant, Web Dev Course
Code Nation

New York, NY
August 2023 - Present

- Introduced and taught web development basics (HTML, CSS, JS, React) to middle school students through interactive projects.
- Provided hands-on tutoring, ensuring students' understanding and ability to apply coding concepts.
- Collaborated with instructors on curriculum development, focusing on engaging and age-appropriate content

Freelance Filmmaker & Photographer
Filmmaker & Photographer

Yonkers, NY
August 2018 - December 2021

- 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.

Groundwork Hudson Valley
Green Team Associate

Yonkers, NY
June 2018 - August 2018

- Participated in over 12 habitat restoration projects, including reforestation, wetland restoration, and native plant establishment.

PROJECTS

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

- A printer management system for SUNY New Paltz printers. A user-friendly interface that effectively minimizes the time allocated to printer configuration, monitoring and troubleshooting.

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

- 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.
- Scalable and Highly Available: Deployed using AWS S3, AWS CloudFront, EC2, ASG and ELB.

SUNY New Paltz TicketSense (Lead Programmer) *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 website's back-end, enabling real-time ticket classification upon submission.
- Minimized ticket resolution times by eliminating the need for intermediary service desk personnel, who traditionally route tickets to the IT department.

SKILLS

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

ACTIVITIES

Eleet Coders Club
Member

SUNY New Paltz
August 2021 - August 2022