

PROJECTS

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

- 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.
- Applied secure coding practices, including input validation, to prevent vulnerabilities such as SQL injection and Cross Site Scripting (XSS).

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

- 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.

Printer Dynamix (Capstone Project) *Python, Bootstrap, HTML/CSS/JS, SQL, PHP*

- 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.

Flavor Frames *React, GPT-4 Vision, Node, Express, Prompting, Mongo DB, JWT,*

- 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.

SKILLS

Networking:	TCP/IP, DNS, DHCP, VPN, LAN/WAN
Cyber Security:	Nmap, Wireshark, tcpdump, iptables, SSH
Programming/Scripting Languages:	PowerShell, Bash, Javascript, Typescript, Python, Java, SQL
Operating Systems:	Windows, macOS, Linux, iOS, Android
Software/Applications:	Microsoft Office Suite, Active Directory, Office 365

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

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.

Freelance Filmmaker & Photographer

Yonkers, NY

Filmmaker & Photographer

August 2018 - Present

- Served Absolut Vodka and over 50 other clients by planning, filming, and editing projects.

Green Team Associate

Yonkers, NY

Groundworks Hudson Valley

June 2018 - August 2018

- Led 12+ habitat restoration projects and engaged 100+ volunteers through community and school collaborations.