

Chan Nyein Zin (Noel)
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EDUCATION

Columbia University in the City Of New York, *Bachelor of Art in Computer Science*

May 2024

EXPERIENCES

CodePath.org: Tech Fellow, New York, USA

May 2024 - Present

- Guide 100+ students in C, Java, and Python, enhancing their Data structure and Algorithms skill during the interview.
- Debug code and provide feedback, improving learning outcomes.
- Lead discussions and offer support on Slack and Zoom.

Blue Ribbon Bags: Data Processor, New York, NY

June 2023 – Present

- Enforce company policies while managing high-volume data using advanced analytics tools such as SQL and Python.
- Lead the team members and collaborate with the team to ensure data accuracy and integrity.
- Prioritize and execute analytical tasks efficiently, applying statistical analysis and data modeling techniques.
- Maintain and update database information with SQL and JavaScript, ensuring data cleanliness.
- Communicate analytical insights professionally to clients and agencies via email, using clear data-driven reporting.

Headstarter AI: Software Engineering Fellow, New York, NY

July 2022 – Sept 2024

- Accumulated 100+ users across multiple applications, monitored with Google Analytics and A/B testing to improve user experience.
- Collaborated with global entrepreneurs to create 5 full-stack applications utilizing technologies such as ReactJS, AWS, Flask, Pinecone Index, DynamoDB, Clerk authentication, Open AI API, and Stripe.
- Built a variety of applications including a personal website, pantry management system, AI-powered customer support chatbot, flashcard SaaS, and an AI-based “Rate My Professor” assistant using Next.js, Gemini API, Firebase, and other modern technologies.

SECOMM, Frontend Developer Intern, Ho Chi Minh City, Vietnam

June 2023 - Aug 2023

- Developed and maintained web applications using HTML, CSS, JavaScript, React.js, PHP, and TypeScript.
- Debugged and optimized code, enhancing system performance and reliability and ensuring customer satisfaction.
- Implemented data and web runtime functionalities, ensuring seamless integration and operation.
- Utilized Git for version control, including branching, merging, and pull requests.
- Assisted in A/B testing to improve user experience.

PERSOANL PROJECTS

Perfume Recommendation Engine | (*Final AI Research Project at Columbia University*)

Feb 2024 - May 2024

Full Stack Web App with Data (Python, Scikit-learn, Pandas, Beautiful Soup, SQL)

- Content-based recommendation system and it suggests perfumes based on user ratings.
- Web-scraped Dataset with Beautiful Soup transformed it into a CSV file and used Pandas to curate features for recommendation.
- Applied Scikit-learn for collaborative filtering, predicting user preferences with high accuracy.
- Engineered the model to update recommendations in response to evolving user tastes.

Money Transaction Blockchain System

April 2024 - May 2024

Full Stack Web App (Python, Flask, HTML, CSS, JavaScript)

- Developed a secure money transaction system using Python, Flask, HTML, CSS, and JavaScript.
- Implemented blockchain concepts for secure transactions.
- Designed and developed frontend interfaces for dynamic content and interaction.
- Managed backend logic for transaction processing and user inputs.

Interactive Boxing Lessons Platform

Feb 2024 – May 2024

Full Stack Web app | (Python, Flask, HTML, CSS, JavaScript)

- Developed an interactive web application from scratch to teach defensive boxing maneuvers.
- Designed dynamic lesson and quiz content, implemented a scoring system, and integrated a reset feature.
- Crafted responsive interfaces using HTML, CSS, and JavaScript for dynamic content and interaction.
- Utilized Python and Flask for server-side logic, managing lessons, quizzes, and user inputs.

TECHNICAL SKILLS

Programming Languages: Java, Python, PHP, Typescript, JavaScript, HTML, CSS, SQL

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, Rest API, Open AI API, Stripe

DevOps: Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Beautiful Soup

