Chan Nyein Zin (Noel) nz2347@columbia.edu |
channyeinzin.fl@gmail.com | +1-917-213-2121 | Personal Website | LinkedIn | GitHub

EDUCATION

Columbia University in the City Of New York   May 2024

Bachelor's degrees in computer science, focusing on Frontend Engineering

Relevant Courses: UI/UX Design with JavaScript, CSS, HTML, Full stack Web Development with JavaScript, Data Base with Python and SQL,

AI & Machine Learning with Python, Data Structures & Algorithms in Python, Linear Algebra with Python

Honors & Awards: GS Phi Theta Kappa Scholarship, Emerging Scholars Program

EXPERIENCES

CodePath.org: Tech Fellow, New York, USA   May 2024 - Present
- Guided students weekly in C, Java, and Python, enhancing their CS skills and technical interview performance across courses.
- Analyzed and debugged code base on the student solving the problem and gave them feedback.
- Led breakout room discussions and offered technical assistance on Slack and Zoom.
- Prepared session materials, attended training meetings, and aided in student recruitment.

Columbia University Information Technology: Service Desk Assistant Technician, New York, NY   June 2022 - Present
- Diagnose and resolve complex system issues using advanced debugging in Putty with Python and SSH commands, along with root cause analysis techniques.
- Collaborate with Lead Service Specialists to develop and implement service rollout plans, including customer onboarding and training.
- Conduct workshops, create technical documentation, and develop troubleshooting guides for end users.
- Identify training needs and opportunities to enhance the capability of CUIT Service Desk specialists for first-contact issue resolution.

Blue Ribbon Bags: Data Processor, New York, NY   June 2023 - Present
- Enforced company policies while managing high-volume data using SQL and Python.
- Led team members to ensure data accuracy and integrity, aiding internal software development.
- Prioritized and executed analytical tasks, applying statistical analysis and data modeling techniques.
- Maintained and updated database information with SQL and JavaScript, ensuring data cleanliness.
- Communicated analytical insights to clients and agencies via clear, data-driven reporting.

SECOMM | FULL-SERVICE ECOMMERCE SOLUTION, 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.
- Utilized Git for version control, including branching, merging, and pull requests.
- Assisted in A/B testing to improve user experience.
- Provided warranty and maintenance services, resolving product bugs.

RELEVANT PROJECTS

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

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

- This content-based recommendation system suggests perfumes based on user ratings.
- Web-scraped the 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.

Keeper Note-taking Application

Full Stack Web note-taking app with React, featuring integrated authentication.

- Developed with React, Node.js, JavaScript, CSS, HTML.
- Enables users to add, save and delete notes with titles to their accounts.
- Displays all notes on the main page for easy access.
- Provides a secure login system for managing and viewing notes.

Interactive Boxing Lessons Platform

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

- Developed and build the interactive web application from the scratch with my friend for teaching defensive boxing maneuvers.
- Frontend: Crafted responsive interfaces using HTML, CSS, and JavaScript for dynamic content and interaction.
- Backend: Utilized Python and Flask for server-side logic, managing lessons, quizzes, and user inputs.
- Features: Designed dynamic lesson and quiz content, implemented scoring system, and integrated reset feature.

TECHNICAL SKILLS & CERTIFICATIONS

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

Operation System: Mac, Windows, Linux (Ubuntu)

Technologies and Tools: Git, NodeJS, React, MongoDB, jQuery, PostgreSQL, React, Flask

DevOps: Docker, AWS, GitHub Actions

Certifications: Code Path: Advance Data Structure & Algorithm with Python, Intermediate Cyber Security Certifications: Meta: Introduction to Front-End Development,
Code Path: Advance Data Structure & Algorithm with Python, Code Path: Intermediate Cyber Security

LEADERSHIPS EXPERIENCES & LANGUAGES

Technology Chair | Myanmar Student Association at Columbia University | In-person   Sep 2022 – May 2024
Volunteer Computer Science Tutor | Myanmar Association in New York | In-person   June 2023 – May 2024
Languages: Burmese(native), English (Proficient), Chinese (Intermediate), Korean (Basic)