Chan Nyein Zin (Noel) **nz2347@columbia.edu** |
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EDUCATION

Columbia University in the City Of New York   May 2024
Bachelor of Art in Computer Science, focusing on Software Engineering
Relevant Courses: Introduction to Systems Programming in BASH and C on Linux, AI & Machine Learning with Python,
             Data Structures & Algorithms in Java and Python, Linear Algebra with Python, Data Base with Python and SQL,
             UI/UX Design with JavaScript, CSS, HTML, Full Stack Web Development with React, Node.js and JavaScript
 Honors & Awards: GS Phi Theta Kappa Scholarship, Emerging Scholars Program

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:	GCP, Docker, AWS, GitHub Actions, Prometheus, Artifactory
Certifications:	Code Path: Advance Data Structure & Algorithm with Python, Intermediate Cyber Security

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 four courses.
- Analyzed and debugged code for 200+ individuals in 500+ sessions, providing 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
- Provide in-depth technical support for academic IT systems, including Coursework, Panopto, and Zoom.
- 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 advanced analytics tools such as SQL and Python.
- Led the team members and collaborated with the team to ensure data accuracy and integrity, contributing to company internal software development.
- Prioritized and executed analytical tasks efficiently, applying statistical analysis and data modeling techniques.
- Maintained and updated database information with SQL and JavaScript, ensuring data cleanliness for optimal use with tools like Microsoft Access.
- Communicated analytical insights professionally to clients and agencies via email, using clear data-driven reporting.

SECOMM | FULL-SERVICE ECOMMERCE SOLUTION, Frontend Developer Intern, Ho Chi Minh City, Vietnam   June 2023 - Aug 2023
- Conducted technology research and collaborated on project development with clients to deliver innovative software solutions.
- Developed and maintained web applications using HTML, CSS, JS, React.js, PHP, and Typescript, improving user experience and functionality.
- Debugged and optimized code to enhance system performance and reliability.
- Implemented data and web runtime functionalities, ensuring seamless integration and operation.
- Delivered warranty and maintenance services, effectively resolving product bugs and ensuring customer satisfaction.

RELAVENT PROJECTS

Perfume Recommendation Engine (Research Project at Columbia University)   May 2024
Full Stack Web App with Data (Python, Scikit-learn, Pandas, Beautiful Soup, SQL)
- Implemented on Google Cloud Platform, 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.

Money Transaction Blockchain System   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.
- Integrated features such as dynamic lesson and quiz content, scoring system, and blockchain reset functionality.

Interactive Boxing Lessons Platform   May 2024
Full Stack Web App (Python, Flask, HTML, CSS, JavaScript)
- Developed an interactive web application from scratch to teach 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 a scoring system, and integrated a reset feature.

LEADERSHIPS EXPERIENCES
- **Technology Chair | Myanmar Student Association at Columbia University** | In-person   Sep 2022 – May 2024