

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

**Relevant Coursework: UI/UX Design, Data Structures & Algorithms in Java& Python, Intro to Database,
AI and Machine Learning with Python, Full Stack Web Development**

WORK EXPERIENCES

Revature

Full Stack Software Developer, Virginia, VA

Oct 2024 – Present

- Designed, developed, and maintained full-stack applications for diverse clients across various industries, leveraging technologies such as Java, Spring Boot, React, and SQL to drive scalable and efficient solutions.
- Collaborated with cross-functional teams to deliver 95+ improvement in software performance and user experience, adapting to diverse project requirements and client specifications.
- Led the end-to-end development lifecycle, from requirements gathering to deployment, ensuring 99% enhancement in scalability, performance, and security through industry best practices and optimization strategies.

CodePath.org

Tech Fellow, New York, USA

May 2024 – Nov 2024

- Mentored 100+ students in Data Structure & Algorithms programming concepts, enhancing their technical problem solving abilities.
- Designed and delivered engaging instructional content aligned with agile principles, improving 30% student outcomes.

SECOMM

Frontend Developer Intern, Ho Chi Minh City, Vietnam

June 2023 – Aug 2023

- Developed intuitive, responsive web interfaces for e-commerce clients, integrating relational databases to streamline data storage and retrieval.
- Conducted UI/UX testing and optimized database queries, resulting in a 15% boost in user satisfaction scores.
- Collaborated with cross-functional teams to implement features aligning with technical and customer requirements, ensuring seamless database interaction for dynamic content.

TECHNICAL SKILLS

- Database Management: SQL (MySQL, PostgreSQL, AWS RDS)
- Software Development Tools: Design Pattern, Git, Agile for Developers, Docker, Postman, JUnit
- Backend Development: Python, Java, Javalin, REST API, JDBC, Spring Framework)
- Frontend Development: HTML, CSS, React, Material-UI, Bootstrap, JavaScript, Typescript

PROJECTS

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

May 2024

- Applied machine learning content-based recommendation algorithms using Python.
- Web-scraped datasets with BeautifulSoup, transformed to CSV files, curated features with Pandas for recommendation.
- Leveraged Scikit-learn for collaborative filtering, achieving 90% prediction accuracy. • Developed user-friendly flows and interfaces to enhance accessibility and engagement.

Expense Reimbursement System (ERS) | (Full stack Project)

Jan 2025

- Designed & developed full-stack Expense Reimbursement System using React (TypeScript) and Spring Boot (Java) to streamline the reimbursement process.
- Implemented RESTful APIs with Spring Boot, integrated with PostgreSQL, and managed database operations using Spring Data JPA.
- Built a responsive, user-friendly frontend using React, TypeScript, and Axios, ensuring seamless interaction with the backend.
- Developed authentication and role-based access control for employees and finance managers, allowing secure access and actions.