

Chan Nyein Zin (Noel)  
nz2347@columbia.edu | channyeinzin.fl@gmail.com | LinkedIn | Portfolio

## EDUCATION

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

May 2024

## WORK EXPERIENCES

### Revature

Full Stack Software Developer, Virginia, VA

Oct 2024 – Feb 2025

- Designed, developed, and maintained full-stack applications for diverse clients across various industries, leveraging **Java, Spring Boot, React, TypeScript, and SQL** to build scalable and efficient solutions.
- Collaborated with cross-functional teams to deliver a **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 in **Java and Python**, enhancing their technical problem-solving abilities.
- Designed and delivered engaging instructional content aligned with **Agile principles**, improved **90%** student outcome.

### SECOMM | Full-service eCommerce Solution

Frontend Developer Intern, Remote, Vietnam

June 2023 – Aug 2023

- Developed intuitive, responsive web interfaces for **e-commerce clients** using **HTML, CSS, JavaScript, React, and Docker**, integrating relational databases (**SQL, AWS RDS**) 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.
- Utilized **AWS S3** for efficient static asset management and deployment.

## TECHNICAL SKILLS

- Languages:** Java, Python, JavaScript, TypeScript
- Frontend Development:** HTML, CSS, React.js, Material-UI, Bootstrap
- Backend Development:** Spring Boot, Flask, REST API, AWS, Google Cloud Platform
- Software Development Tools:** VS Code, Git, Docker, Jenkins, Kafka, Postman, Agile for Developers, Shell
- Database Management:** SQL (**MySQL, PostgreSQL, AWS RDS**)
- Data Science & Machine Learning:** TensorFlow, PyTorch, scikit-learn, NumPy, SciPy, Pandas, Matplotlib

## PROJECTS

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

May 2024

- Applied **machine learning** with **content-based recommendation** algorithms using **Python**.
- Web-scraped datasets with **BeautifulSoup**, transformed them into **CSV files**, and 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 and developed a **full-stack Expense Reimbursement System** using **React (TypeScript)** and **Spring Boot (Java)** to streamline the reimbursement process.
- Implemented **RESTful APIs** with **Spring Boot**, integrated **PostgreSQL**, and managed database operations using **Spring Data JPA**.
- Built a **responsive frontend** with **React, TypeScript, and Axios**, incorporating **authentication and role-based access control** for employees and finance managers to ensure secure access and actions.