

Cherno Diallo

📞 240-556-4163 |
✉️ chernodiallo24@gmail.com |
🌐 linkedin.com/in/chno-diallo-19a492267 |
🐙 github.com/chnodiallo24

EXPERIENCE

Extern – Pfizer Advanced: AI-Powered Document Insights & Data Extraction

Aug. 2026 – Present

AI Engineering Extern

Remote

- Built an AI-powered document processing system that can read pharmaceutical documents, extract important information such as document types and dates, classify and organize the documents, and help identify outdated documentation that may create compliance risks.
- Built AI pipelines to process pharmaceutical vendor files using OCR (Tesseract, PaddleOCR) and RAG for data extraction and classification.
- Developed a RAG-based document retrieval system with LlamaIndex, optimized with chunk tuning and open-source LLMs (Mistral, Phi-2).
- Conducted end-to-end evaluation of the document intelligence system-benchmarking OCR accuracy, RAG retrieval quality, and routing performance. Delivered a technical report outlining model trade-offs, optimization strategies, final deployment recommendations, and built a UI for demo purposes.

ARC Document Solutions

Jan. 2025 – Feb. 2025

Technical Documentation Intern

Columbia, MD

- Assisted engineers with creating and maintaining user guides, standard operating procedures (SOPs), knowledge base articles, and technical documentation for system workflows and technical processes.
- Reviewed and updated documentation for accuracy, consistency, and usability, incorporating feedback from engineers and technical stakeholders.

Costco Wholesale

Mar. 2020 – Apr. 2026

Membership Services

Silver Spring, MD

- Supported members with account updates, membership renewals, returns, purchases, and service requests while maintaining accurate account and transaction records.
- Delivered a positive member experience by listening to concerns, communicating solutions clearly, and resolving issues with professionalism in a fast-paced environment.

PROJECTS

Vacation Scheduler | Java, Android Studio, Room Database

- Designed and developed an Android vacation management application enabling users to create, update, delete, and manage vacations and associated excursions.
- Implemented CRUD operations, Room Database persistence, RecyclerView interfaces, date validation, and scheduled notifications to create a reliable mobile experience.

Inventory Management System | Java, Spring Boot, MySQL

- Developed a Spring Boot inventory application for managing parts and products, allowing users to add, update, delete, and search inventory records through a web-based interface.
- Implemented product-part associations, inventory validation, business rules, and persistent relational data storage using Java, Spring MVC, and MySQL.

Interactive Web Applications | JavaScript, HTML, CSS

- Developed browser-based applications using JavaScript, HTML, and CSS, including a banking interface with dynamic account and transaction functionality.
- Applied DOM manipulation, event handling, application logic, dynamic UI updates, and responsive design to build interactive user experiences.

EDUCATION

Western Governors University

Oct. 2024 – Aug. 2026

Bachelor of Science, Software Engineering

Millcreek, UT

SKILLS

Languages: Java, Python, JavaScript, SQL, HTML/CSS, Typescript

Frameworks & Technologies: Spring Boot, Android SDK, Room Database, MySQL, SQLite, REST APIs, LlamaIndex, RAG,

AI/Document Processing: Tesseract, PaddleOCR, Mistral, Phi-2, OCR, Document Classification

Tools: Git, GitHub, GitLab, Android Studio, IntelliJ IDEA, VS Code, Docker, OCR, AWS(EC2, Lambda, DynamoDB), Kubernetes

Certifications: AWS Certified Cloud Practitioner, Google IT Support Professional Certificate, ITIL 4 Foundation, CompTIA Project+