

# CHRISTIAN COULIBALY

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## EDUCATION

### The Ohio State University

Bachelor of Science in Computer Science and Engineering

Columbus, OH

Expected May 2026

## TECHNICAL SKILLS

**Programming Languages:** Java, TypeScript, JavaScript, Python, C, C++, HTML, Kotlin, Swift

**Frameworks & Tools:** Next.js, Git, Docker, Linux/UNIX, Express.js, Tailwind CSS, MongoDB, Jetpack Compose, SwiftUI

**Certifications:** AWS Cloud Practitioner, CodePath Advanced Technical Interview Prep, CodePath Intro to iOS Development

## WORK EXPERIENCE

### JPMorgan Chase & Co.

Columbus, OH

Software Engineering Program Intern - Mobile Development

June 2025 - Present

- Self-taught **Jetpack Compose** and **MVVM** patterns to accelerate onboarding and contribute to the Chase Android app, installed over **100M+** times
- Built a new merchandising tile template leveraging Adobe Experience Manager (AEM) data and developed an internal debugging tool allowing developers to dynamically swap between all merchandising templates
- Led the transition of my team's merchandising tiles to Jetpack Compose, enabling more flexible layouts and improving developer experience
- Applied modern Android practices (Glide for async images, Kotlin coroutines) to enhance maintainability and user experience

Software Engineering Program Intern - Full Stack Web Development

June 2024 - May 2025

- Pioneered the modernization of an internal financial tool's UI, transitioning from an outdated **JSP** application to a responsive **React frontend**, designed to reduce task time by up to 50% for **1000+ global legal entities**, helping developers maintain 99% uptime
- Modularized the new frontend using a **microfrontend** architecture and existing APIs, enabling partial integration with the legacy system

### The Ohio State University Wexner Medical Center

Columbus, OH

Web Content Editor

May 2023 - Aug 2024

- Led the Comprehensive Cancer Center's transition to a new CMS, empowering individual organizations to manage their own content and enabling more frequent content updates with streamlined workflows
- Revitalized webpages by designing and implementing a new UI system, achieving **100% accessibility compliance** and significantly improving user engagement and content delivery across the site

## PROJECTS

More at [naj-dev.com](http://naj-dev.com)

### JPMC Global Hackathon – Internal Mobility Strategy (1st Place, Columbus)

React, Python, OpenAI API, NLP     June 2025

- Won **1st place out of 64 teams** at the Columbus division of JPMorgan Chase's 10th Annual Global Hackathon for building an internal mobility assistant to help employees discover and transition into better aligned roles
- Built a backend system that uses **NLP techniques** and Python's **Counter** to compare user resumes and job descriptions, scoring overlap to recommend best-fit internal roles; designed for future LLM integration
- Collaborated across frontend, backend, and agentic AI teams to build a chatbot-driven platform with role-matching logic and automated outreach workflows

### JPMC Code for Good Hackathon - CTRL-R (1st Place, Pyramid CDC)

React, Firebase, Tailwind CSS, AWS EC2     Nov 2023

- Awarded **challenge winner** for Pyramid CDC, a local non-profit focused on improving digital literacy in underserved Ohio communities, by developing a platform that engaged 1000+ residents with course paths and **gamification**, boosting retention
- Specialized in configuring the **Firebase store and authentication**, integrating it into the codebase, while collaborating with team members to create a fully functional, user-friendly platform

### HDNCHQ Server Docker, Linux, NGINX

Jan 2019 - Present

- Built and maintained a home server system using **Docker** and **NGINX**, increasing **uptime from 40% to 95%** and sextupling performance, securely managing and delivering content to dozens of international users
- Engineered the system using Linux, performing custom optimizations to drastically improve system reliability and user experience, supporting multiple media, file storage, and security devices

## LEADERSHIP AND PROFESSIONAL DEVELOPMENT

### National Society of Black Engineers (NSBE) | Recording Secretary

Aug 2023 - Present

- Oversee meeting documentation, coordinate weekly newsletters, oversee website and social media changes, and assist in planning events like NSBE Week, driving communication for 100+ members and collaborating with 150 chapters internationally

### ColorStack - OSU | Active Member

Aug 2023 - Present

- Participate in technical and behavioral interview workshops with industry leaders like Adobe and JP Morgan Chase, and mentor peers

## ADDITIONAL INFORMATION

**Organizations/Affiliations:** Minority Collegiate Outreach and Support Team Mentor, Minorities in Tech Member, BOLD at JPMC

**Languages:** Fluent in French