

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- Pioneered the modernization of an internal financial tool's UI, transitioning from an outdated **JSP** application to a responsive **React frontend**, designed to reduce task time by up to 50% for **1000+ global legal entities**, helping developers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

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