

# Daniel Lumbu

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## Education

### Carleton College

Bachelor of Arts in Computer Science

Major GPA: 3.7

Relevant Coursework: Mobile Software Development, Advanced Software Design, Computer Systems, Data Structures, Algorithms, Theory of Computing, Cryptography, Mathematical Structures

Northfield, MN

June 2026

## Technical Skills

**Languages:** React Native, Python, JavaScript, Swift, Kotlin, Java, C, HTML, CSS

**Frameworks & Tools:** SwiftUI, Jetpack Compose, Firebase (Auth, Firestore, Cloud Storage), AWS S3, SQL, Flask, Docker, AsyncStorage, Core Data, Room

**Developer Tools:** Git, Xcode, Android Studio, VSCode, Expo, Google Cloud APIs

**Mobile Development:** iOS (Swift, SwiftUI, React Native), Android (Kotlin, Jetpack Compose, React Native)

## Certifications

AWS Certified Cloud Practitioner

August 2025

## Work Experience

### Carleton College

Software Engineer Extern

Northfield, MN

Dec 2024

- Engineered and deployed a SmartCalendar app with React Native and Next.js, integrating Google OAuth, Calendar API, and a secure backend database.
- Improved user experience by implementing route optimization and event reminder features; collaborated in an Agile team to deliver on-time functionality.

### Carleton College

Computer Science Summer Program Teaching Assistant

Northfield, MN

July 2023

- Mentored 60 students in building interactive Python games, guiding them on responsive design, debugging, and clean coding practices.
- Designed 20+ diverse projects using Tkinter and OpenCV to enhance visual interactivity, improving student project quality and creativity.

### Carleton College

Technology Support Specialist

Northfield, MN

Sept 2022 – Aug 2023

- Delivered technical support to 30+ users weekly, resolving software and system issues to minimize downtime.
- Streamlined troubleshooting for Adobe Creative Cloud and driver installations, improving resolution efficiency by 20%.

### KPMG

Audit Intern

Lusaka, Zambia

Jan – Apr 2022

- Audited financial records for 5 major clients, reviewing 1,000+ transactions and identifying discrepancies to ensure compliance.
- Strengthened analytical and problem-solving skills applicable to debugging, testing, and optimizing software systems.

## Projects

Flow – Challenge Tracking App — React Native, Firebase (Auth, Firestore), AWS S3

- Developed a mobile app for tracking and sharing personal challenges, integrating Firebase for authentication and real-time updates.
- Built scalable media upload system using AWS S3, enabling seamless storage and retrieval of photos/videos for 1000+ user responses.
- Implemented social-style feed with dynamic UI/UX and gamification features, increasing user engagement.

WanderLog – Travel Journal App — Kotlin, Jetpack Compose, Google Maps API, Room, Firebase

- Built a travel journal app with trip mapping, expense tracking, and collaborative journaling features.
- Integrated Google Maps API for interactive visualization and Firebase for cloud sync across devices.
- Enhanced local data persistence with Room and built data visualizations with Vico for animated expense charts.

Xcode Reminder App — Swift, SwiftUI, Core Data

- Designed a reminder app with a customizable alert system and multi-tier task prioritization.
- Implemented Core Data for efficient offline storage of 100+ tasks with smooth state management.
- Applied Swift Package Manager for modular architecture and streamlined dependency integration.

## Leadership

**Resident Assistant, Carleton College**

Aug 2023 – Present

Mentored 50+ students, organized community programs, and built leadership and communication skills transferable to team-based software development.