

HIRUY G. KASSA

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EDUCATION

University of St. Thomas

B.S. Computer Science & Minors in Data Science

Saint Paul, MN

September 2023 – Present

- **GPA:** 3.8
- **Honors:** Dean's List (Fall 2023, Spring 2024)
- **Relevant Courses:** Object-Oriented Programming (C++), Software Design, Computer Architecture, Computational Statistics, Econometrics, Microeconomic Theory, Ethics in Software

PROFESSIONAL EXPERIENCE

Kryst

Co-Founder & Software Developer

Remote

Sep 2025 – Present

- Co-developing a cross-platform mobile MVP using React Native, Expo, and Firebase, focused on authentication, media upload/playback, and cloud storage.
- Integrating OpenAI and Google AI APIs to deliver personalized recommendations and AI-generated content summaries.
- Designing 10+ user flows and UI prototypes in Figma; coordinating agile development with one teammate via GitHub and ClickUp.
- Conducting early user research and competitor analysis to define target audience and product direction for MVP launch.

St. Olaf College

IT Help Desk Assistant

Northfield, MN

Jan 2025 – May 2025

- Supported 3,000+ students, faculty, and staff, resolving hardware, software, and network issues across Windows/macOS.
- Diagnosed connectivity, account, and printing issues with a 90%+ same-day resolution rate.
- Performed system updates and software installations across 80+ lab computers to ensure reliable campus operations.

VivaTC

Data & Web Intern

Addis Ababa, Ethiopia

Jun 2024 – Aug 2024

- Analyzed multi-GB customer datasets in Python and Excel to identify service trends and propose improvements.
- Redesigned company website using HTML, CSS, and WordPress, improving navigation and engagement metrics.
- Automated reporting with Python scripts, reducing manual reporting time by ~40%.
- Presented web optimization insights and infrastructure documentation to executives.

PROJECTS & OUTSIDE EXPERIENCE

Kryst App

Mobile App Developer

Remote

Sep 2025 – Present

- Built RN/Expo feature shells for auth, feed, and creator upload; implemented Firebase Auth, Firestore, and Storage with security rules.
- Set up media pipeline (compression → upload → metadata write) and Cloud Functions for serverless processing.
- Prototyping recommendation flow using embeddings/summarization to drive a personalized “For You” feed.

Personal Portfolio Website

Personal Project

Remote

Oct 2025 – Present

- Developing a responsive portfolio website using HTML, CSS, and JavaScript with a dark theme and smooth animations.
- Integrating Formspre for contact email delivery and GitHub API for live project cards.

Bank Account Management System (C++)

College Project

Northfield, MN

Oct 2024 – Dec 2024

- Implemented OOP design for accounts, deposits/withdrawals, and transaction history; organized modules for clarity and testing.

ACTIVITIES & LEADERSHIP

ColorStack

Member

Minneapolis, MN

Nov 2024 – Present

Ethiopian Global Academy / ethiogbff.org

Social Media Manager

Remote

Dec 2024 – Present

Club Soccer

Second Captain

Northfield, MN

Sep 2024 - May 2025

SKILLS & INTERESTS

Languages & Frameworks: React Native, JavaScript, HTML/CSS, Python, C++, Java, Flask, R

Cloud & Tools: Firebase, AWS (Lambda, DynamoDB, Amplify), Git/GitHub, SQL (learning)

Data & Libraries: Pandas, NumPy, Excel/Sheets

Design & Collaboration: Figma, Canva, WordPress, ClickUp

Interests: App Development, Entrepreneurship, Economics, Soccer, Theology

Languages: English (Native), Amharic (Fluent)