

GIFT C CHRISTIAN

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EDUCATION

Dartmouth College, Hanover, NH

June 2029

Bachelor of Arts: Computer Science and Human Centered Design

GPA: 4.0/4.0

Relevant Coursework: Intro to Programming, Calculus III; Problem Solving Via Object Oriented Programming (Data Structures and Algorithms); *Software Design & Implementation

Activities: Colorstack, Codepath, DALI Lab Mini Series, First Generation Office (FGO), Dartmouth African Students Association (DASA), Soccer Club (Futsal), Christian Union (CU)

WORK EXPERIENCE

Dartmouth Evergreen AI Project, Hanover, NH

October 2025 – Present

Software Development Engineering (SDE) Intern (Campus Job)

- Maintained a full-stack **Flask** web application for **Evergreen**, Dartmouth's student wellness AI app, streamlining data flow, test dialogues, from 400+ users to train AI models (dartmouth-langchain); improved processing efficiency by **40%**
- Built a real-time dialogue coauthoring chat feature using **WebSockets** and **Redis** for live updates, async **JavaScript GET/POST API calls** for messaging, and **localStorage** caching to reduce redundant requests and optimize performance
- Deployed on **AWS EC2** with **Amazon RDS** backend, configured **Nginx** and **Gunicorn** for production reliability, and implemented **CI/CD pipelines via GitHub Actions** for automated, zero-downtime deployments

Tanzania Students' Achievement Foundation, Dar es Salaam, Tanzania

January 2025 – July 2025

Software Development Intern

- Developed an admissions portal with **Django**, supporting **300+** applicants annually; integrated role-based (staff, applicants) **authentication** and permissions to enforce secure, granular access control, customizable for improved **scalability**
- Deployed the portal on **cPanel** with **MariaDB**, implementing automated backups, database indexing, and better security configurations; reduced downtime and improved data handling efficiency by **40%**

LEADERSHIP, SERVICE, AND ACTIVITIES

Dartmouth ColorStack Chapter

Dec 2025 – Present

First Year Representative

- Advocating for **20+** first-year students at Dartmouth in **ColorStack** chapter meetings; improved tech-mentoring initiatives that focused on community building, professional development, and peer support for underrepresented students in CS by **30%**
- Organized **3+** technical workshops and networking events, connecting **200+** members with mentorship and internship opportunities, resulting in **70%** of participants securing networking and internship opportunities

PROJECTS

ForumAbroad | Django, Google Vertex AI, MariaDB, Tailwind CSS, HTMX, cPanel

- Built a full-stack forum with **Django** using a recursive schema; optimized queries with **select_related/prefetch_related** to reliably render infinite **nested** replies; integrated **Google Vertex AI** to auto-answer repeated questions; used by **50+** users
- Developed an attractive, responsive interface with **Tailwind CSS** supporting multimedia uploads in **threaded** posts, implementing badging and notification systems that increased user engagement by **20%**

Maghettoni | React, PostgreSQL, Tailwind CSS, cPanel, Python (FastAPI)

- Built a server-rendered **landlord-tenant** management dashboard with **FastAPI**, implementing role-based access control, real-time issue reporting, and dynamic lease management; based in Tanzania
- Developed responsive frontend dashboards using **React** and **Tailwind CSS**, integrated **localStorage** caching to reduce redundant API calls, and used **Chart.js** for visualizing rent payments, maintenance status, and occupancy trends.
- Deployed the platform on **cPanel** with **PostgreSQL**, configured **WSGI** for synchronous requests and **ASGI** for real-time features, set up automated **CI/CD via GitHub Actions**, and **Sentry** for faster error tracking and zero-downtime deployment

EduPAY | Django, Stripe, APIs, PostgreSQL, Tailwind CSS, Celery, Redis

- Built a multi-user school payment platform with **Django**, custom authentication, middleware, and decorators for granular **RBAC**; engineered relational models linking students, parents, and accountants while maintaining strict data isolation
- Integrated **Celery** with **Redis** for automated invoice reminders and **Stripe** with webhook-based invoice updates for real-time payment settlements; built dynamic dashboards with **Tailwind CSS** for all user types, with live balance tracking

TECHNICAL COMPETENCIES

Coding languages and Frameworks: C, Python (Django, Flask, FastAPI), Java (Spring Boot), JavaScript (Node.js, Next.js, TypeScript, React, Vite), Flutter, HTML5, CSS3, Tailwind CSS, Bootstrap

Cloud & AI: AWS, Oracle, CPanel, Ollama, Hugging Face

Developer tools: Git (GitHub), Linux, Figma, VSCode, PyCharm, APIs, SQLite3, PostgreSQL, MariaDB

Languages: Fluent in English, Swahili, Haya

Interests: Soccer, Amapiano, board games, music production, anime