

# GIFT C CHRISTIAN

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## EDUCATION

<b>Dartmouth College</b> , Hanover, NH <i>Bachelor of Arts: Computer Science and Human Centered Design</i>	<b>June 2029</b> <b>GPA: 4.0/4.0</b>
<b>Relevant Coursework:</b> Intro to Programming, Calculus III; Problem Solving Via Object Oriented Programming (Data Structures and Algorithms); *Software Design & Implementation	
<b>Activities:</b> Colorstack, Codepath, DALI Lab Mini Series, First Generation Office (FGO), Dartmouth African Students Association (DASA), Soccer Club (Futsal), Christian Union (CU)	

## WORK EXPERIENCE

<b>Dartmouth Evergreen AI Project</b> , Hanover, NH <i>Software Development Engineering (SDE) Intern (Campus Job)</i>	<b>October 2025 – Present</b>
<ul style="list-style-type: none"><li>Maintained a full-stack <b>Flask</b> web application for <b>Evergreen</b>, Dartmouth's student wellness AI app, streamlining data flow, test dialogues, from 400+ users to train AI models (<code>dartmouth-langchain</code>); improved processing efficiency by <b>40%</b></li><li>Built a real-time dialogue coauthoring chat feature using <b>WebSockets</b> and <b>Redis</b> for live updates, async <b>JavaScript GET/POST API calls</b> for messaging, and <b>localStorage</b> caching to reduce redundant requests and optimize performance</li><li>Deployed on <b>AWS EC2</b> with <b>Amazon RDS</b> backend, configured <b>Nginx</b> and <b>Gunicorn</b> for production reliability, and implemented <b>CI/CD pipelines via GitHub Actions</b> for automated, zero-downtime deployments</li></ul>	
<b>Tanzania Students' Achievement Foundation</b> , Dar es Salaam, Tanzania	<b>January 2025 – July 2025</b>

### 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

<b>Dartmouth ColorStack Chapter</b> <i>First Year Representative</i>	<b>Dec 2025 – Present</b>
<ul style="list-style-type: none"><li>Advocating for <b>20+</b> first-year students at Dartmouth in <b>ColorStack</b> chapter meetings; improved tech-mentoring initiatives that focused on community building, professional development, and peer support for underrepresented students in CS by <b>30%</b></li><li>Organized <b>3+</b> technical workshops and networking events, connecting <b>200+</b> members with mentorship and internship opportunities, resulting in <b>70%</b> of participants securing networking and internship opportunities</li></ul>	

## PROJECTS

<b>ForumAbroad</b>   Django, Google Vertex AI, MariaDB, Tailwind CSS, HTMX, cPanel	
<ul style="list-style-type: none"><li>Built a full-stack forum with <b>Django</b> using a recursive schema; optimized queries with <b>select_related/prefetch_related</b> to reliably render infinite <b>nested</b> replies; integrated <b>Google Vertex AI</b> to auto-answer repeated questions; used by <b>50+</b> users</li><li>Developed an attractive, responsive interface with <b>Tailwind CSS</b> supporting multimedia uploads in <b>threaded</b> posts, implementing badging and notification systems that increased user engagement by <b>20%</b></li></ul>	
<b>Maghettoni</b>   React, PostgreSQL, Tailwind CSS, cPanel, Python (FastAPI)	
<ul style="list-style-type: none"><li>Built a server-rendered <b>landlord-tenant</b> management dashboard with <b>FastAPI</b>, implementing role-based access control, real-time issue reporting, and dynamic lease management; based in Tanzania</li><li>Developed responsive frontend dashboards using <b>React</b> and <b>Tailwind CSS</b>, integrated <b>localStorage caching</b> to reduce redundant API calls, and used <b>Chart.js</b> for visualizing rent payments, maintenance status, and occupancy trends.</li><li>Deployed the platform on <b>cPanel</b> with <b>PostgreSQL</b>, configured <b>WSGI</b> for synchronous requests and <b>ASGI</b> for real-time features, set up automated <b>CI/CD via GitHub Actions</b>, and <b>Sentry</b> for faster error tracking and zero-downtime deployment</li></ul>	
<b>Edupayy</b>   Django, Stripe, APIs, PostgreSQL, Tailwind CSS, Celery, Redis	
<ul style="list-style-type: none"><li>Built a multi-user school payment platform with <b>Django</b>, custom authentication, middleware, and decorators for granular <b>RBAC</b>; engineered relational models linking students, parents, and accountants while maintaining strict data isolation</li><li>Integrated <b>Celery</b> with <b>Redis</b> for automated invoice reminders and <b>Stripe</b> with webhook-based invoice updates for real-time payment settlements; built dynamic dashboards with <b>Tailwind CSS</b> for all user types, with live balance tracking</li></ul>	

## 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