

## Ethan Timothy Fudge

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## PROFESSIONAL SUMMARY

Recent Computer Science graduate with honors and IT/AI Solutions Specialist with production experience deploying enterprise AI systems, cloud infrastructure, and automation workflows. Proven track record building custom LLM integrations, administering Microsoft 365 environments, and enabling non-technical teams on AI adoption. Expertise in full-stack development, API integration, cloud deployment (GCP, AWS, Azure), and IT security operations. Seeking opportunities in IT infrastructure, AI/ML engineering, DevOps, cloud solutions, or software engineering.

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## TECHNICAL SKILLS

**AI & Machine Learning:** Claude API, MCP server development, LLM integration, prompt engineering, agent workflows, Microsoft Copilot, AI cost modeling, production AI deployment

**Cloud & Infrastructure:** Google Cloud Run, AWS, Cloudflare Workers, Docker, Kubernetes, serverless architecture, DNS/domain management, CI/CD pipelines

**Microsoft 365 & Enterprise IT:** Entra ID (Azure AD), Exchange Online, SharePoint administration & migration, OneDrive, Teams, Power Automate, Group Policy, endpoint management

**Programming & Development:** Python, SQL, JavaScript/HTML/CSS, FastAPI, REST APIs, Git/GitHub, PowerShell, Bash scripting, API integration, data extraction

**Security & Operations:** ThreatLocker, Bitdefender, Proofpoint, SPF/DKIM/MX configuration, incident response, vulnerability management, MSP coordination, zero-trust architecture

**Operating Systems:** Linux (Ubuntu, FreeBSD, OpenBSD, AlmaLinux), Windows Server, macOS administration

**Business Systems:** QuickBooks Online API, ERP/CRM evaluation, workflow automation, change management, technical documentation

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## PROFESSIONAL EXPERIENCE

**IT & AI Solutions Specialist** | *Star Flooring & Remodeling* – San Diego, CA | Mar 2026 – Present

- Sole IT owner for 30-person multi-branch organization: Microsoft 365 administration, cloud infrastructure, security operations, and AI enablement
- Architected and deployed **StarBot**, An internal AI information bot for queries on business information integrated with the M365 environment as well as a production full-stack CRM with Claude AI integration via custom MCP server on Google Cloud Run; managed end-to-end development, database design, DNS configuration, and cloud deployment
- Administered **Claude Team** enterprise AI platform: built shared knowledge Projects, reusable prompt libraries, integrated M365/QuickBooks/Canva APIs, and trained cross-functional teams on AI workflows
- Led **SharePoint migration** from ground up: designed information architecture, executed company-wide file migration, resolved indexing issues, enforced Group Policy, and documented SOPs

- Automated **QuickBooks Online** workflows: natural-language estimate generation, multi-jurisdiction tax logic (30+ CA cities), P&L reporting, OAuth implementation
- Managed Microsoft 365 environment: Entra ID provisioning, Exchange mailbox administration, licensing optimization, DNS management, endpoint onboarding/offboarding
- Built workflow automations including a **calendar-driven mileage reimbursement system** (Google Maps API + Cloudflare Workers) and transcript-to-PDF meeting minutes pipeline
- Conducted IT security operations: diagnosed endpoint performance issues, optimized MSP stack, deployed Proofpoint with MX/SPF/DKIM configuration
- Presented at Building Industry Association of San Diego on practical AI adoption; active member of BIA AI Subcommittee
- Led ERP/CRM vendor evaluation across 6+ platforms; translated business requirements into technical specifications

**Vice President** | *SDSU Artificial Intelligence Club* – San Diego, CA | Feb 2025 – Present

- Lead officer team executing semester-long AI/ML projects; grew attendance from 20 to 65+ through strategic networking
- Managed budget allocation, secured hackathon sponsorships, and coordinated industry speakers and faculty partnerships

**Store Manager** | *Trinitea Tea* – San Diego, CA | Feb 2018 – March 2026

- Managed daily operations, staff recruitment/training, customer relations, and conflict resolution in high-volume retail environment

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## SELECTED PROJECTS

- **StarBot + Remote MCP Server:** Full-stack CRM and Internal AI with Claude integration via self-built MCP server; deployed on Google Cloud and Azure with custom DNS/domain configuration
- **QuickBooks Automation:** Natural-language estimate creation via Intuit API with customer/product resolution and jurisdiction-specific tax logic
- **Multi-VM Systems Lab:** Multiple-OS homelab (FreeBSD mail, OpenBSD LDAP, AlmaLinux NFS, Ubuntu/Docker) running nginx, Vaultwarden, and Portainer
- **Mileage Tracking System:** Automated reimbursement workflow using Outlook calendar parsing, Google Maps Geocoding API, and Cloudflare Workers
- **Internal AI Skill Library:** Reusable Claude skills for meeting minutes, PDF generation, email automation, brand voice, and sales positioning

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## EDUCATION

**Bachelor of Science in Computer Science**, Minor in Computer Engineering

*San Diego State University* | Graduated Spring 2026

Magna Cum Laude | GPA: 3.78

Relevant Coursework: Machine Learning, Artificial Intelligence, Neural Networks, Algorithms, Operating Systems, Compilers

Additional: Binary exploitation (pwn.college), competitive programming (LeetCode), active GitHub contributor