

TATE CLOTHIER

Software Engineering Student

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Software engineering student at Arizona State University (4.00 GPA) with hands-on experience shipping full-stack and agentic AI applications across React/Next.js, Python, and cloud platforms including Google Vertex AI and Microsoft Power Platform. Hackathon winner and active open-source contributor with a track record of taking projects from concept to deployed product.

EDUCATION

Arizona State University — Ira A. Fulton Schools of Engineering Expected 2029

B.S. Computer Science: Software Engineering, Minor in Mandarin Chinese • GPA: 4.00 • Dean's List, Fall 2025, Spring 2026

EXPERIENCE

Software Engineer Intern / *NvisionKC* Summer 2024

- Architected and deployed a SharePoint intranet solution adopted company-wide, centralizing internal communications and document access for staff
- Built custom Power Apps and SPFx web parts to automate manual business workflows, reducing repetitive administrative work
- Integrated Power BI dashboards with SharePoint and Power Apps to surface real-time business analytics for stakeholders
- Designed and deployed automated approval and notification workflows using Power Automate
- Tested and validated REST API integrations using Postman, ensuring reliable GET/POST data exchange between internal systems

PROJECTS

Grubr — AI-Powered Restaurant Discovery App 2026 - Awarded most likely to success in consumer market

Next.js, TypeScript, Python, Google Vertex AI (Gemini), Tailwind CSS

- Built a full-stack, swipe-based restaurant discovery app (Next.js/TypeScript frontend, Python backend) deployed on Vercel
- Designed an agentic recommendation engine on Google Vertex AI (Gemini) that autonomously chains image recognition, semantic embedding search, and preference reasoning — unifying NLP chat, vision, and embeddings into one coherent agent loop

Sigma Nu Rush Automation & Member Portal 2025 – Present

TypeScript, React, Python, FastAPI

- Built a full-stack rush-process automation platform and chapter member portal with a TypeScript/React frontend and Python FastAPI backend, now serving 1,000+ active users
- Implemented geofenced attendance tracking, an analytics-driven admin dashboard, and a centralized chapter information library

Agentic AI Voice Receptionist - 2025

Twilio, Deepgram, GPT-4, Cartesia, Google Calendar API, JavaScript

- Built an AI phone receptionist for small businesses (barbershops, HVAC, landscaping) that autonomously handles inbound calls and books appointments
- Engineered a real-time voice pipeline chaining Twilio telephony, Deepgram transcription, GPT-4 response generation, and Cartesia speech synthesis, with Google Calendar integration for scheduling

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript/TypeScript, C#
- **Frontend:** React, Next.js, Tailwind CSS
- **Backend & APIs:** FastAPI, Node.js, REST API design, Postman
- **Cloud & Platforms:** Google Cloud (Vertex AI), Microsoft Power Platform (Power Apps, Power Automate, Power BI, SPFx), Twilio
- **AI/ML:** LLM integration (Claude, GPT-4, Gemini), agentic workflow design, applied data & AI modeling in Python
- **Tools & Practices:** Git/GitHub, Agile/Scrum, UML Modeling, Unity (VR & game development)
- **Languages Spoken:** Mandarin Chinese (proficient)

AWARDS & CERTIFICATIONS

- **1st Place, MissouriHacks** — Feb 2024 **Associate VR Developer & Programmer, Unity Technology IRC** — May 2025
- **Data & A.I. Models, Inspirit AI Program** — Jun–Jul 2024 **Most likely product to succeed in consumer market** — April 2026

LEADERSHIP & EXTRACURRICULARS

- **Senator, ASU Undergraduate Student Government (Tempe)** — Elected 2026
 - Elected by the Tempe campus student body (~32,700 undergraduates); oversee a \$450,000 budget allocated to student organizations and events
- **Chief Technician Officer (CTO), Sigma Nu Fraternity** — Aug 2026 – Present
- **Member, Software Developers Association & Hacker Devils** — Aug 2025 – Present