Thai Nguyen

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EDUCATION

University of Georgia, School of Computing   *June 2023 – May 2026*
Bachelor of Computer Science   *Overall GPA - 3.27/4.00*
Relevant Coursework: Data Structures, Algorithms, SWE, Full-Stack Development, OOP   *Major GPA - 3.70/4.00*
Data Science/ML, GenAI, Deep Learning, Computer Architecture, Computer Graphics, Systems Programming

SKILLS

- **Technical Skills:** Java, JavaScript/TypeScript, C/C++, Python, PostgreSQL, GDScript, Bash, ReactJS, Next.js, Spring Boot, Node.js, MongoDB, Redis, Git/GitHub, Unix/Linux, Jira/Miro, Docker, Postman, Figma, Shopify API, REST/GraphQL, Vercel AI SDK, RAG, LLMs, Numpy/Pandas,
- **Soft Skills:** Leadership, Agile/Scrum, Client Collaboration, Team Communication, Planning, Prototyping

RELEVANT EXPERIENCE

Freelance Web Developer (Rock Band Website) – *Full-Stack*   Fall 2025 – Present
- **Developed a multi-page brand platform** using JS/CSS, integrating **Shopify Storefront API** and **GraphQL** queries for merchandise management.
- **Navigated VFX.js shader constraints** by implementing creative workarounds, including custom ASCII art, to maintain a cohesive digital-horror aesthetic.
- **Managed iterative client feedback** to deliver a high-fidelity UI/UX under time/technical limitations

UGA ACM (Association for Computing Machinery) – *Executive Officer & CSIP Co-Chair*   May 2025 – Present
- **Lead weekly workshops** on technical (DSA) and behavioral skills for 10+ students to improve interview and career readiness.
- **Direct UI/UX redesigns** in Figma to modernize club branding, resulting in increased engagement at university recruitment events.

PROJECT EXPERIENCE

Actual Cinema Movies (Cinema E-Booking System) – *Scrum Master & Full-Stack & UI/UX*   Aug 2025 – Present
- **Architected a Spring Boot backend (PostgreSQL/JPA)** with 80+ REST endpoints and 15 JPA entities, utilizing pagination and Caffeine caching to reduce database load.
- **Implemented JWT/Spring Security** for **Role-Based Access Control**, securing sensitive data with BCrypt and AES encryption.
- **Led a 5-person Scrum team** via Jira, improving sprint velocity by ~10% and applying design patterns (e.g. Facade, Virtual Proxy) to **cut data-transfer payload** by 30-45%.

RAG-Powered AI Portfolio (Passion Project) – *Full-Stack / Artist*   Jun 2025 – Present
- **Built a RAG chatbot** using **Gemini AI** and **Upstash Redis** for semantic search, grounding responses in portfolio-specific data.
- **Managed AI infrastructure costs** by implementing IP-based **rate limiting**, query **embedding caching**, and **SHA-256 hashing** to prevent redundant API calls.
- **Developed an interactive interface** featuring hand-drawn pixel art animations and smooth parallax effects achieved through linear interpolation.

CourseHub (Awarded "Best Class Project") – *Team Lead & Full-Stack & UI*   Mar 2025 – May 2025
- **Integrated Gemini AI and YouTube APIs** to automate study plan generation, reducing manual content creation time by ~90%.
- **Engineered 15+ RESTful endpoints** and **MongoDB** schemas for resource sharing, using **NextAuth.js** for secure user authentication.

ADDITIONAL EXPERIENCE

Tower Ascent (UGA Game Builders) – *Frontend & Backend Programmer / Artist*   Sep 10, 2025 – Present
- **Engineered modular systems** for trading, inventory management, and animated UI in **Godot/GDScript**.