Vivian Tran

vivtran.dev   linkedin.com/in/vivtratx
viviantranatx@gmail.com   github.com/viviantranatx

TECHNICAL SKILLS

Languages: Python, Go, Java, C, JavaScript, TypeScript, HTML/CSS, SQL, XML, Lua, Vimscript
Tools: GitHub/Git, Linux, Bash, Shell, VS Code, Jupyter Notebook, Eclipse, Android Studio, Arduino, Figma, Replit
Frameworks: React, Tailwind CSS, Next.js, npm, Flask
Skills: Backend Engineering, Software Project Execution, Scripting, UX & UI, Communication, Analytics Tools

WORK EXPERIENCE

Uber | San Francisco, California   **May 2025 - August 2025**
Software Engineering Intern
- Built and optimized service mesh software rate-limiting systems using gRPC to ensure TLS-based security, cryptographic assurance and high system performance in internal and external customer-facing services.
- Designed and implemented authentication systems for over 200K+ host services in production, verifying over 50M+ requests per second in order to enhance reliability and trust in service communications.
- Mitigated risk of DoS attacks by enforcing safeguards against malicious routing or service impersonation.
- **CORE COMPETENCIES**: Go, Python, Bash, Git, JIRA, Confluence, Collaboration

PROJECTS

Purrfect Match | *Java, XML, Android Studio, GitHub, Figma*   **January 2025 - May 2025**
- Engineered a full-stack mobile application in order to streamline the pet adoption process, keeping felines out of shelters by allowing users to find, connect, and provide homes for animals in need of adoption.
- Led and built the backend functionality for users to browse, like, and manage feline selections within a personalized dynamic dataset of felines loaded from a CSV file.

Quick Maths | *HTML/CSS, JavaScript, React, GitHub, Gemini API, Desmos API*   **November 2024**
- Developed a full-stack Google Chrome extension in order to enhance the convenience of utilizing AI-powered assistance in academia, merely as a readily available tool aimed towards students.
- Extracted information from screenshots using objection detection frameworks and image processing libraries.

LEADERSHIP & AWARDS

Association for Computing Machinery (ACM)   **August 2023 - Present**
President, ACM-W President, ACM-W Presidential Junior Officer
- Provided oversight for the #1 largest tech-based student organization at UTSA, with 2,000+ members.
- Led, coordinated, and facilitated effective collaboration between an internal leadership team of 80+ students in order to successfully execute many networking, tech workshops, and large events such as RowdyHacks, CodeQuantum, Rowdy Datathon, and Rowdy CyberCon.
- Oversaw and contributed to a 22% increase in student membership in the women's chapter of ACM UTSA through various promotional efforts such as tabling and outreach.

RowdyHacks XI, RowdyHacks X, CodeQuantum '26, '25, '24   **December 2023 - Present**
Public Relations Lead, Hacker Experience Lead, Tech Lead, Logistics
- Directed outreach and promotional efforts in order to secure successful sponsorship funding at RowdyHacks XI.
- Innovated event schedules, facilitated mentorship opportunities and coordinated workshops for 550+ future tech leaders, creating the most enjoyable experience at RowdyHacks X and CodeQuantum.

EDUCATION

The University of Texas at San Antonio | *San Antonio, TX*   **Expected Graduation: May 2027**
Major: Computer Science, **GPA**: 3.94 | **Concentrations**: Software Engineering, Cybersecurity