

Tu Nguyen

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EDUCATION

University of California, Irvine

Irvine, CA

Bachelor of Science in Computer Science - GPA: 3.9

Sep. 2023 – June 2027

Relevant Coursework: Advanced Computer Networks, Software Testing & Quality Assurance, Digital Logic Design

EXPERIENCE

Incoming Software Engineer Intern

June 2026 – September 2026

Roblox

San Mateo, CA

- Incoming AI operations engineer for 2026 summer intern class.

Software Engineer Intern

June 2025 – September 2025

VN Consulting

Cypress, CA

- Engineered responsive user interfaces for a client-facing healthcare application using React, Ruby, and JavaScript, contributing to a 5-person Agile team.
- Integrated front-end components with RESTful APIs using Ruby and SQL to securely fetch, display, and update sensitive patient data, collaborating with backend engineers to define API contracts.
- Contributed to a patient portal application used by over 1,000 users, building features that directly improved patient access to their health information.

AI/LLM Trainer - Coding Specialist

June 2024 – June 2025

DataAnnotation

Remote

- Improved LLM code generation by evaluating and ranking thousands of AI responses in Python, JavaScript, and C++ for correctness, efficiency, and adherence to best practices.
- Conducted adversarial testing ("red-teaming") on AI models to identify and document vulnerabilities and unsafe code generation patterns.
- Authored code solutions and technical explanations on topics like REST APIs and algorithms, creating gold-standard data for Reinforcement Learning with Human Feedback (RLHF).

PROJECTS

VERITABLE ARMY | Python, Flask, OpenAI API, Google OAuth

- Implemented a synthesis module where a master AI analyzes and consolidates responses from individual AI models, providing users with a unified and reasoned answer
- Engineered a Flask-based backend to orchestrate calls to multiple AI APIs (OpenAI, Google, Anthropic)

Reddit-To-Instagram-Content-Pipeline (RTICP) | Python, Flask, RedditAPI

- Engineered a full-stack application using Python and Flask to streamline content discovery and social media posting, integrating with Reddit (PRAW) and Instagram (instagrapi) APIs
- Successfully utilized the Reddit to Instagram Content Pipeline to organically grow an MMA-focused Instagram account to 500+ followers by automating the discovery and posting of high-engagement content

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS, R, Ruby

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Google Cloud Platform, Cursor, VS Code, PyCharm, IntelliJ, CLion, Jira, Asana

Certifications: Google IT Support, freeCodeCamp JavaScript Algorithms and Data Structures

EXTRACURRICULAR ACTIVITIES

Ballroom Dance @ UCI | Treasurer

Sep. 2024 – Present

- Managed a club budget, coordinated fundraising initiatives, and handled financial reporting for a team of dancers.

Cyber @ UCI | Member

Dec. 2023 – Present

- Engaged in hands-on workshops covering network security, ethical hacking, and digital forensics.