

Tony Luu

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Atlanta, GA 30318

EDUCATION

Georgia Institute of Technology (GT), Atlanta, GA
Bachelor of Science in Computer Science
HOPE Scholarship

Dec. 2022 - Dec. 2025
GPA: 3.4/4.0

Georgia State University (GSU), Atlanta, GA
Bachelor of Science in Computer Science
HOPE Scholarship | Deans List 2020-2022

Aug. 2020 - Dec. 2022
GPA: 3.8/4.0

RELEVANT COURSEWORK

Artificial Intelligence, Machine Learning, Data Structures and Algorithms, Info Visualizations, UI Design, System Level Programming, Computer Organization/ Programming

WORK EXPERIENCE

Lead Artificial Intelligence Software Engineer | *ScholarshipOwl, Remote* Mar. 2024 - Sept. 2024

- Leveraged Google Cloud, Colab, and OpenAI/LangChain APIs to optimize AI processing
- Improved data accuracy by 16% and reduced redundancy with semantic data matching
- Automated survey extraction with NLP, reducing manual processing times
- Applied AI-driven video transcription, boosting scholarship-match accuracy by 27%
- Increased targeting precision by 20% with advanced essay semantic analysis
- Enhanced scholarship recommendations for 9M+ students with AI-powered solutions

Student Assistant Researcher | *GSU MORSE Labs, Atlanta, GA* Jan. 2020 - May 2021

- Led the design of underwater transmission systems with NVIDIA Jetson Nano for efficient data transfer
- Built rail systems for real-time communication, ensuring stability and data integrity
- Simulated tests with photodiodes and oscilloscopes using Linux VM and Unreal Engine
- Optimized Python code with Jetson GPIO for reliable data transmission
- Automated data collection and performed MATLAB analysis, increasing efficiency by 80%
- Managed datasets and co-authored research on advancing Visual Light Communication (VLC)

LEADERSHIP & COMMUNITY INVOLVEMENT

Co-Director of Marketing | *Hexlabs, Georgia Tech, Atlanta, GA* Nov. 2023 - Nov. 2024

- Steered HackGT and Horizons, attracting 2,000 attendees and securing \$50K in sponsorships
- Managed and mentored a team of 12 student members, fostering collaboration and development
- Worked with executive directors to design timelines and ensure on-time delivery of key projects

Local Campaign Manager | *Better with Heather, Suwanee, GA* Aug. 2019 - Jan. 2020

- Led as both campaign manager and treasurer for a successful grassroots campaign, overseeing strategy and execution
- Managed all financial operations and vendor relations, ensuring efficient allocation of resources
- Represented candidates at political events, driving community engagement and outreach
- Developed and implemented cohesive branding and messaging, unifying design assets and merchandise for consistent impact

ADDITIONAL EXPERIENCE

Digital Media Specialist | *Georgia Tech Admissions Office, Atlanta, GA* Aug. 2023 - Present

- Created engaging content for Georgia Tech Admissions across social media platforms, increasing engagement
- Served as a panelist speaker and student ambassador for student-focused marketing campaigns
- Utilized trend analysis to align content with audience interests, boosting interaction and reach

TECHNICAL SKILLS

Languages: Java, Python, C, C++, HTML, Assembly, LaTeX, SQL, MySQL, R, JavaScript, Bash, Shell Scripting

Frameworks: Angular, React, Flask, Django, Spring Boot, PyTorch

Developer Tools: JUnit, Git, Docker, Jenkins, Anaconda, Figma, Notion, Android Studio, Xcode, Visual Studio Code, Unity, Colab, AWS EC2

Libraries & APIs: NumPy, Pandas, PyTorch, Jetson GPIO, Blender, Node.js, Matplotlib, Plotly, OpenAI API, FAISS, LangChain