

TOM (WONSUK) JEONG

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EDUCATION

Georgia Institute of Technology

Aug 2022 - Dec 2025

— B.S. in Computer Science, B.S. in Mathematics (expected December 2025)

— *Relevant Coursework:* Advanced Algorithms, Artificial Intelligence, Machine Learning, Computer Perception, Deep Learning

EXPERIENCE

Software Engineer Intern

Dec 2023 - Apr 2024

JJ Bridge Consulting

Atlanta, GA

- Developed RESTful APIs and integrated PostgreSQL databases to streamline consulting data and reduced retrieval time by 30%
- Implemented ML models and NLP techniques to analyze over 2,000 student profiles and essays

Teaching Assistant

Jan 2025 - Present

Georgia Institute of Technology

Atlanta, GA

- Assisting Professor Merrick Furst in teaching CS 351I: Design and Analysis of Algorithms (Honors)
- Supporting 75 students in learning advanced algorithms such as dynamic programming and fourier transformations
- Authoring homework and exams, and conducting office hours and teach recitations.

LEADERSHIP

Quant Research Sector Leader

Aug 2023 - Present

Trading at Georgia Tech

Atlanta, GA

- Developed [Bytality](#), a server platform for submitting and validating trading models for competitions at GT, Berkeley, and UGA
- Managed a team of 5 software engineers, overseeing development and implementation of quantitative model pipeline
- Enabled and processed 200+ trading model submission with \$20k+ AUM (projected to reach \$100k by spring)

CubeSAT Project Supervisor

Jan 2023 - Present

Fulton Science Academy

Alpharetta, GA

- Lead a team of 10 students in designing and developing a Cube Satellite (CubeSAT) passing NASA's Phase 1 validation.
- Managed over \$100k worth of equipment and oversaw flight software development using C++ and assembly language.
- The Project won the 2023 NCSSS Innovative STEM Student Program of the Year Award.

RESEARCH & PROJECTS

Lychee

Jul 2024 - Present

[Lychee](#)

San Francisco, CA

- Built scalable AI pipeline using DSPy and Asyncio, reducing the time for pipeline generation time by 90%
- Architected RAG system with Pinecone and LangChain, processing 2M+ code snippets for context-aware generation
- Implemented LLM feedback loop and scaled infrastructure to handle 100K+ daily requests using Redis
- Successfully onboarded 2 bioinformatics clients (20+ developers), increasing their coding velocity by 3x

Create-X Research

Jan 2023 - July 2024

Georgia Institute of Technology under supervision of Dr. Tevhide Ozkaya

Atlanta, GA

- Contributed to the development of a novel drug detection system for preventing drug-facilitated sexual assault
- Developed and implemented a comprehensive management system and database for protein synthesis using RAG and embeddings
- Reduced database retrieval time by 44% and protein prediction time by 60% using CUDA

TECHNICAL SKILLS

Languages	Python, Java, C++, JavaScript, R, Haskell, SwiftUI, CUDA, Zig, Assembly
ML/AI	TensorFlow, Keras, NumPy, pandas, BERT, NLP techniques
Cloud	AWS (SageMaker, EC2, S3), Heroku
Databases	MongoDB, MySQL, PostgreSQL, SingleStore