

EDUCATION

<b>Georgia Institute of Technology</b> <i>M.S. Computer Science, Concentration: Machine Learning</i> <i>B.S. Computer Science, Concentration: Intelligence and Infoworks</i>	<b>Graduating December 2026</b> <b>GPA: 3.96</b>
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EXPERIENCE

<b>Amazon</b> <i>Software Development Engineer Intern</i> <ul style="list-style-type: none"><li>Architected ML-powered event monitoring system processing <b>14.4TB daily data</b>, serving <b>50+ developers</b></li><li>Developed multi-source data ingestion pipeline processing <b>50K+ documents</b> across Quip, Wiki, and dashboards for <b>RAG-based AI assistant</b> integration</li><li>Developed real-time <b>Grafana dashboards</b> pipeline, decreasing report generation time from <b>10+ hours → 15 minutes</b></li><li>Built data pipeline with <b>99.9% reliability</b> using AWS CDK and CI/CD, processing <b>100GB+ event data per 10-minute interval</b></li></ul>	May 2025 - August 2025 <i>Sunnyvale, CA</i>
<b>Transformation Continuum – Google Cloud Commission</b> <i>Full Stack Software Engineer Intern</i> <ul style="list-style-type: none"><li>Delivered novel sales tooling to be used by <b>Google employees</b> using ReactJS</li><li>Developed Node.js REST APIs, improving system integration efficiency by <b>40%</b></li><li>Implemented Quantitative Assessment Module with <b>500+ standardized questions</b> using React components</li><li>Streamlined training by deploying <b>LLM-powered chatbot</b> to website for reviewing performance</li></ul>	November 2023 - May 2024 <i>Austin, TX</i>

RESEARCH

<b>Georgia Tech LIDAR Lab</b> <i>ML Research for Robotics under Dr. Ye Zhao</i> <ul style="list-style-type: none"><li>Conducted research on <b>bipedal navigation</b> in human-crowded environments, addressing challenges of nonlinear dynamics in locomotion</li><li>Developed K-means clustering algorithm and single shot ego agent, reducing processing time by <b>15%</b></li><li>Delivered re-targeting pipeline for humanoid datasets with <b>100K+ motion frames</b> (MoCap, Mujoco, AMASS) for RL training</li></ul>	January 2024 - Present <i>Atlanta, GA</i>
<b>Neural Data Science Lab at Georgia Tech</b> <i>Research under Eva L. Dyer</i> <ul style="list-style-type: none"><li>Conducted pioneering research using deep learning to study brain structures and cell types, winning the <b>APA Award for Outstanding Research in Psychological Science</b></li><li>Collaborated with the <b>Allen Brain Institute</b> on novel 3D brain imaging data sets, using CNN models to predict and classify signs of neurodegeneration with <b>98% accuracy</b></li></ul>	June 2021 - April 2022 <i>Atlanta, GA</i>

PROJECTS

<b>Globally Shared KV Cache for LLMs</b>   <i>Python, Golang, HuggingFace, LLaMA 2, AWS, Redis</i> <ul style="list-style-type: none"><li>Developed <b>3x cache-hit rate</b>, <b>30% memory usage reduction</b>, and <b>2.8x speedup</b> in inference latency compared to no-cache</li><li>Integrated semantic similarity logic using cosine distance and embeddings for reusable queries</li><li>Achieved <b>~900ms reduction</b> in response time on only <b>~0.5MB memory overhead</b></li><li>Simulated on <b>1000+ queries</b> across 3 datasets (real + synthetic)</li></ul>	May 2025
<b>Sano Gym Social Media App</b>   <i>Swift (Frontend), Python (Backend), SwiftUI, Flask</i> <ul style="list-style-type: none"><li>Developed a <b>full-stack social media app</b> tailored for fitness enthusiasts, with Swift-based frontend and Python Flask backend, achieving over <b>1,000 downloads</b> within the first month</li><li>Integrated <b>workout tracking</b>, routine sharing, and <b>community engagement</b> features to enhance user interaction and motivation</li></ul>	August 2024
<b>HackGT Contractly AI</b>   <i>Python, Flask, React, MongoDB, LangChain</i> <ul style="list-style-type: none"><li>Built a <b>full-stack contract analysis tool</b> with LLMs, trained on <b>500+ contracts</b> spanning NDAs, mergers, and acquisitions</li><li>Implemented a <b>Chrome Extension</b> to automatically fetch and rate websites' privacy policies using ChatGPT-3</li></ul>	October 2023

TECHNICAL SKILLS AND AWARDS

<b>Programming Languages:</b> Java, C, Python, C++, SQL, JavaScript, TypeScript, Swift, HTML/CSS, Dart <b>Libraries:</b> pandas, NumPy, Matplotlib, React, Angular, PyTorch, TensorFlow, Flask, Django, Spring, OpenCV <b>Technologies:</b> AWS, Docker, Kubernetes, Git, REST APIs, SQL, NoSQL, MongoDB, Firebase, CI/CD, Agile, Scrum <b>Awards:</b> Highest Honors, Dean's List, Faculty Honors, AIME qualifier, National Merit Finalist
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