Stephen Young

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EDUCATION

Master's of Science in Artificial Intelligence **Expected December 2026**
The University of Texas at Austin
Overall GPA: 3.6650 /4.0
Relevant Coursework: Machine Learning, Ethics of AI

Bachelor of Science in Computer Engineering: Software Engineering **May 2024**
The University of Texas at Austin
Overall GPA: 3.8212/4.0
Relevant Coursework: Machine Learning on Real World Networks, Software Design and Implementation I & II, Algorithms, Data Science Lab, Software Design Lab, Matrices and Matrix Calculations, Discrete Math, Probability/Random Processes, Operating Systems

WORK EXPERIENCE

Walmart Global Tech - *Software Engineer II* **July 2024 – Present**
- Maintained and enhanced a P0 cloud-based SaaS platform application for generating outbound shipment documents, improving supply chain efficiency and accuracy.
- Expanded an automated alert system to monitor incidents, enabling faster internal team response and reduced downtime.
- Contributed to the development and implementation of a preemptive shipping notification projected to save Walmart hundreds of millions of dollars in supply chain costs.
- Gained hands-on experience with microservices architecture, API integration, and large-scale data management to support scalable and reliable backend systems.

GXC - *Photonics Engineer Intern* **June 2022 – November 2022**
- Responsible for the system build up of an optical neural network for the Office of Naval Research where when given an input signal, the neural network would classify the signal
- Integrated hardware into the physical optical neural network system and tested overall system
- Learned the process of teaching neural networks using gradient descent algorithms
- Bettered unit testing for a machine learning and photonic simulation framework in Python
- Streamlined organization and analysis of floating optical switches using Visual Basic Macros and Excel
- Characterization of optical hardware and algorithm development

ACADEMIC EXPERIENCE

Senior Design Project - *University of Texas at Austin* **January 2024 – May 2024**
- Built a social media web app with a machine learning recommendation engine using a custom XGBoost model.
- Collaborated in a six-person team to integrate frontend React UI with backend ML logic and meet non-functional requirements.

Machine Learning on Real World Networks - *University of Texas at Austin* **August 2023 – December 2023**
- Developed a GCN model and algorithm with BERT embeddings, achieving 70% accuracy in detecting misinformation in URL shares on Reddit (r/Conservative).
- Integrated user sentiment and text similarity in post-to-post network analysis for credibility classification.
- Authored a research paper explaining our methodology, our findings, and their implications for detecting misinformation.
- Explored the impact of network dynamics on social, political, and technological systems, applying advanced principles to real-world scenarios.

SKILLS

Java, Python, SQL, Kafka, Spring Boot, Jenkins, Kubernetes, Docker, REST API Design, CI/CD Pipelines