

EDUCATION

Master of Science, Computer Science (Artificial Intelligence), University of Southern California **Aug. 2024 — May 2026**

- GEM Fellowship
- Coursework: Foundations of Artificial Intelligence, Machine Learning, Deep Learning, Web Technologies

Bachelor of Science, Computer Science, University of Kentucky **Aug. 2020 — May 2024**

- Mathematics Minor
- Scholar in Engineering and Management (Selective Admission)
- Dean's List (All Semesters)
- Coursework: Data Structures, Algorithms, AI/ML, Systems Programming, Discrete Math, Statistics

EXPERIENCE

Research Intern **May 19 — Aug 8, 2025**
Adobe San Jose, CA

- Currently building an Occlusion Reasoning and Amodal Segmentation model

Research Intern **May 28 — Aug 23, 2024**
Adobe San Jose, CA

- Worked on a testing suite for the various object detection models used for Project Stardust, an object-based image editor

Research Assistant **Nov. 16, 2023 — May 24, 2024**
University of Kentucky, Institute for Sustainable Manufacturing Lexington, KY

- Worked on the University of Kentucky Digital Passport app to increase the sustainable use of the iPads that are part of the Smart Campus Initiative

Lab Assistant **Aug - December 2023**
CS 115 (Introductory Python) Lexington, KY

- Assisted students with completing in-person lab assignments and taught Python concepts.
- Graded all homework, assignments, lab tests, and exams.

Software Engineer Intern **May 22 — Aug 11, 2023**
Asana San Francisco, CA

- Contributed to the Asana Android app as part of the Mobile Adoption team by enhancing various user-facing features.
- Improved the mobile app across multiple surface areas, leading to significant gains in user retention.

Research Assistant **Jan. 6 — May 19, 2023**
University of Kentucky, Department of Mechanical Engineering Lexington, KY

- Conducted research involving communication between a fleet of unmanned aerial vehicles
- Worked on improving usability, connection stability between the vehicles, and building a more flexible user interface

SDE Intern **May 23 — Aug 12, 2022**
Amazon (Lab126) Cupertino, CA (Remote)

- Enhanced user experience for Echo Frames and Alexa iOS app, focusing on firmware data integration for improved onboarding and optimizing app size through localized asset downloads for the Top Contact feature

Meta University Intern **Jun 21 — Aug 13, 2021**
Meta Menlo Park, CA (Remote)

- Selected as 1 of 180 from over 5000 applicants for an intensive Android app development course, where I built several apps including 'TravelGuide', a user-driven, multimedia travel tips app for global explorers

PROJECTS

Drypyr, iOS, Swift, Google Cloud, TypeScript, Figma

- An iOS app that helps users buy fashion outfits based on their social media profiles

StyleClassifier, Python, PyTorch, NumPy, Pandas, scikit-learn, torchvision

- Developed a deep learning classification system that combines attention mechanisms and Feature Pyramid Networks with contrastive learning techniques to process hierarchical visual attributes through a ResNet backbone architecture

- Fraud Detection System**, Python, PyTorch, scikit-learn, Pandas, NumPy, Hyperopt, SMOTE
- Built an ensemble fraud detection system (Random Forest, AutoEncoder) that processed 280K+ transactions; implemented SMOTE balancing and Bayesian optimization, achieving 99.8% F1 score

SKILLS

Languages: Python, Java, Kotlin, Swift, JavaScript, NodeJS, Typescript
Framework & Tools: PyTorch, ReactJS, Git, Firebase, scikit-learn, Pandas, NumPy, Visual Studio Code, Figma

LEADERSHIP

President , University of Kentucky NSBE	May 2023 — May 2024
Secretary , University of Kentucky ACM	Aug 2021 — May 2023
Lead Media Volunteer , Open Door Church	2019 — 2024

AWARDS

2024 GEM Fellowship
Lexmark International Diversity Scholarship
2022 Lyman T. Johnson Award
Governor’s Scholar Presidential Scholarship