

EDUCATION	The University of Illinois at Urbana-Champaign <i>Master of Science in Computer Science</i> 4.0 Cumulative GPA, May 2024 Expected Graduation	August 2022 - Present
	The University of North Carolina at Chapel Hill <i>Bachelor of Science in Computer Science, Bachelor of Science in Statistics</i> 3.8 Cumulative GPA	August 2019 - May 2022
EXPERIENCE	Capital One <i>Software Engineer Intern, Customer Experience Team</i> Constructed an end-to-end sentiment analysis pipeline for managing real-time customer feedback; allows instant experience rectification through customer feedback, improving proprietary satisfaction index by 68%. Implemented a state-of-the-art Transformer AI model with Python: roBERTa-Large with Self-Explaining. Deployed pipeline on Amazon Web Services with SQS, Lambda, and DynamoDB microservices.	May 2022 - August 2022
	IQVIA <i>Artificial Intelligence Intern, Internal Vendors Team</i> Designed an invoice parser to automate information extraction through modeling in Python, saving over \$2.5M annually. Utilized the PyTesseract library for optical character recognition of invoices. Implemented a graph convolutional neural network to incorporate both spatial and semantic information.	May 2021 - August 2021
PROJECTS	Arcane Constructed a web application employing Spotify user data to generate unique personalized discographies; increases listening sessions by over 2 hours on average. Utilized the React, Express.js, and Node.js stacks as well as the Spotify Web API. Programmed in JavaScript, HTML and styled with the Tailwind CSS and Bootstrap frameworks	
	Melanoma Classification Compared the efficacy of a Logistic Regression model and Convolutional Neural Network to classify skin cell images as malignant or benign with UNC Hospitals' patient data; obtained 87% accuracy. Transformed data with rotations and flips to augment training dataset. Written in Python, utilizing the PyTorch package for fluidity.	
RESEARCH	Explainability of Graph Neural Networks <i>Dr. Hanghang Tong, Department of Computer Science, UIUC</i> Currently researching nascent extensions of graph neural networks (GNNs), especially furthering the fusion of GNNs alongside reinforcement learning (RL) techniques to solve various tasks such as knowledge graph completion, policy optimization over graphically structured data, and more.	August 2022 - Present
	Active Feature Acquisition Modeling and Analytics <i>Dr. Junier Oliva, Department of Computer Science, UNC-CH</i> Researched RL with Active Feature Acquiring surrogate models to both optimize decision policies from features throughout training.	August 2021 - May 2022
HONORS / AWARDS	3rd Place 2019 Pokemon Trading Card Game World Championship Was invited to compete after the 2018-2019 tournament circuit. Finished as the best placing American in the 2019 season.	August 2019
SKILLS	Languages Python, R, C++, C, Java, JavaScript, HTML, SQL	Tools / Frameworks AWS, Git, Snowflake, Keras, Tensorflow, pandas, NumPy, nltk, scikit-learn, React, Node.js, Express.js, MySQL, MongoDB, Material-UI, Tailwind CSS