RYAN HUANG

Updated October, 2024 7303 Lanval Dr Oak Ridge, NC 27310 (743) 888-4449 e-mail: rhuang1@unc.edu

PERSONAL Natural-born U.S. Citizen.

EDUCATION

2022-2025

University of North Carolina at Chapel Hill, Chapel Hill, NC.

B.S. Computer Science, B.A. Economics (QFE Credential), Minor in Mathematics GPA 3.78/4.00

Awards and Honors: Dean's List, Phi Beta Kappa

Relevant Coursework: Algorithms, Calculus, Computer Vision, Database, Differential Equations, Discrete Mathematics, Dynamical Systems, Econometrics, Financial Accounting, Financial Economics, Intermediate Microeconomics, Intermediate Macroeconomics, Linear Algebra, Machine Learning, Probability (PhD Biostatistics Course), Time Series Analysis and Forecasting.

EXPERIENCE

Summer 2024

University of North Carolina at Greensboro, Greensboro, NC.

NSF REU Research Internship, Department of Computer Science.

- Selected as 1 of 10 out of 1000+ nationwide applicants to conduct an 8-week REU program funded by the NSF.
- Conducted literature review on relevant papers in the field.
- Implemented original Python scripts to crawl data from CompuStat and AAER databases to create new dataset.
- Improved on existing results using original Python scripts implementing models such as Logistic Regression, Random Forest, SVM, XGBoost, and LLaMA.
- Concluded experience with a ten-page report detailing methodology and improved results (working paper).

Spring 2023

University of North Carolina at Chapel Hill, Chapel Hill, NC.

Undergraduate Research Assistant, Department of Economics.

- Selected as 1 out of 100+ applicants to assist with a working paper to improve results within six months.
- Automated data scraping method for The Wayback Machine to retrieve historical webpage data using original Python code.
- Utilized OpenAI API to categorize companies based on extracted text information characteristics from machine learning models.
- Evaluated performance by conducting regression analysis in Stata on policy dynamics impact on EV startup entry.

Fall 2022	 University of North Carolina at Greensboro, Greensboro, NC. Research Assistant, Department of Accounting and Finance. Developed a novel metric to calculate political inclinations of hedge fund managers based on political campaign contributions.
	• Refined and organized datasets related to fund managers and company execu- tives using data from the Federal Election Commission and CompuStat.
	• Successfully extracted and identified over 1500 fund managers and 20k executives from supplementary dataset for future use.
WORKING PAPERS	R. Huang, Q. Tong, C. Zhu, "Financial Statement Fraud Detection Using Large Language Models".
PRESENT- ATIONS	"Financial Statement Fraud Detection Using Large Language Models", GraLNA NSF REU Final Presentation, Greensboro, NC, July 2024.
	Causal Inference for Policy Evaluation during COVID-19 using Neural Networks, IDEAL Get Ready for Research Workshop, Chicago, IL, June 2023.
COMMUNITY SERVICE	
Fall 2023	 HackNC Hackathon, Chapel Hill, NC. Logistics and Marketing Committee Member Contacted local companies to secure catering, snacks, prizes, event venues, and event setups (chairs, tables, etc.). Contributed to the publicization of HackNC 2023 to departments, schools, and individuals
2022	 Leukemia and Lymphoma Society, Greensboro, NC. Student of the Year Candidate (Team Leader) Raised over \$10,000 over a four month period implementing a comprehensive fundraising strategy, including outreach to potential corporate donors. Organized events in the community to fundraise locally with a 5k run. Utilized various marketing and graphics methods to promote fundraising efforts and engage with supporters.
EXTRA- CURRICULAR ACTIVITIES	Junior Portfolio Analyst, UNC QFA Second Chair Trumpet, Symphony Band Participant, Carolina Analytics & Data Science Participant, Carolina Economics Club Participant, UNC Finance Society
COMPUTER SKILLS	Languages & Software: Assembly, C, CSS, HTML, Java, JavaScript, Linux, MAT-LAB, Microsoft Office Suite, Python, R, SAS, STATA, Tableau, TensorFlow. Operating Systems: Linux, Windows, Unix.
LANGUAGES	English, Fluent Chinese, Working Proficiency