

RYAN HUANG

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EDUCATION

2022-2026

University of North Carolina at Chapel Hill, Chapel Hill, NC.
B.S. Economics (QFE Credential) with Distinction
B.S. Computer Science with Distinction
Minor in *Mathematics*
GPA 3.68/4.00

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

Relevant Coursework: Algorithms, Artificial Intelligence, 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 Course), Real Analysis, Stochastic Modeling, Time Series and Forecasting.

PERSONAL

U.S. Citizen.

EXPERIENCE

2025

University of North Carolina at Chapel Hill, Chapel Hill, NC.
Senior Honors Thesis, Department of Economics.
Teaching Assistant (ECON 425), Department of Economics.
Teaching Assistant (ECON 493), Department of Economics.
Teaching Assistant (ECON 525), Department of Economics.

2024

University of North Carolina at Greensboro, Greensboro, NC.
NSF REU Research Internship, Department of Computer Science.

2023

University of North Carolina at Chapel Hill, Chapel Hill, NC.
Research Assistant, Department of Economics.

2022

University of North Carolina at Greensboro, Greensboro, NC.
Research Assistant, Department of Accounting and Finance.

PAPERS

Huang, R. (2025). *Sustainable Asset Pricing with Heterogeneous Agents: A Computational Approach (subject to change)*, work in progress.

Huang, R., Han Y., & Zhou, G. (2025). *Transformers and the Predictability of Daily Market Returns*, work in progress.

Huang, R. (2025). *Financial Statement Fraud Detection Using Large Language Models*. *Ceteris Paribus - The Undergraduate Journal of Economics at UNC-Chapel Hill*, 2.

Huang, R., & Qiu, A. (2025). *Forecasting Stock Market Volatility Using the CNN Fear & Greed Index*, work in progress.

Huang, R. (2025). *A Machine Learning Approach to Understanding Short-Selling Volume*, work in progress.

PRESENTATIONS	<p>“Forecasting Stock Market Volatility Using the CNN Fear & Greed Index”, Final Presentation, Chapel Hill, NC, April 2025</p> <p>“A Machine Learning Approach to Understanding Short-Selling Volume”, Final Presentation, Chapel Hill, NC, April 2025</p> <p>“Financial Statement Fraud Detection Using Large Language Models”, GraLNA NSF REU Final Presentation, Greensboro, NC, July 2024.</p> <p>“Causal Inference for Policy Evaluation during COVID-19 using Neural Networks”, IDEAL Get Ready for Research Workshop, Chicago, IL, June 2023.</p>
COMMUNITY SERVICE	
2025	<p>UNC EconAid, Chapel Hill, NC. <i>Economics Tutor</i></p>
2023	<p>HackNC Hackathon, Chapel Hill, NC. <i>Logistics and Marketing Committee Member</i></p>
2022	<p>Leukemia and Lymphoma Society, Greensboro, NC. <i>Student of the Year Candidate (Team Leader)</i></p>
EXTRA-CURRICULAR ACTIVITIES	<p>Junior Portfolio Analyst, UNC QFA Second Chair Trumpet, Symphony Band Participant, Carolina Analytics & Data Science Participant, Carolina Economics Club Participant, UNC Finance Society</p>
COMPUTER SKILLS	<p><i>Languages & Software:</i> Assembly, C, CSS, HTML, Java, JavaScript, Linux, MATLAB, Microsoft Office Suite, Python, R, SAS, STATA, Tableau, TensorFlow. <i>Operating Systems:</i> Linux, Windows, Unix.</p>
LANGUAGES	<p>English, Fluent Chinese, Working Proficiency</p>
REFERENCES	<p>Marlon Azinovic-Yang Assistant Professor of Economics UNC Chapel Hill Email: marlonay@unc.edu Thesis Advisor</p> <p>Christopher Roark Associate Teaching Professor of Economics UNC Chapel Hill Email: cjroark@unc.edu TA Supervisor</p> <p>Jing Deng Associate Dean and Professor of Computer Science UNC Greensboro Email: jing.deng@uncg.edu Research Advisor</p>