Joe Fowler

Conover, NC

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PROFESSIONAL SUMMARY

- >10 Years' of Management/Leadership Experience
- >3 Years' Technical Experience in Econometrics, Economic Modeling, Fraud, Analytics, Macroeconomics, Policy Research
- M.S. in Economics and Ph.D. student in Public Policy
- Proficient in Python, R, Tableau, SQL, Stata, and Excel
- American Citizen

PROFESSIONAL EXPERIENCE

US Bank, Charlotte, NC Aug 2022- Current
Trust Reporting Analyst

- Conducted monthly portfolio compliance tests on up to 10 structured fixed-income deals, ensuring compliance with industry standards.
- Compiled monthly and quarterly technical report specifications from indenture language, meeting punctuality and accuracy measures.
- Conducted quality control review of reports, identifying and addressing any inaccuracies.
- Results: Successfully identified and corrected errors in reports, saving the company an estimated $5000/month.

UNC Charlotte, Charlotte, NC May 2022- July 2022
Teacher of Record- Research Assistant

- Taught introductory microeconomics for a class of 36 students, utilizing graphs and algebraic concepts to provide an understanding of basic economic concepts.
- Co-authored an article in the Political Economy in the Carolinas with a fellow UNCC faculty member.
- Results: Received positive feedback from students and increased enrollment in the course by 5%.

UNC Charlotte, Charlotte, NC Aug. 2019- May 2022
Graduate Teaching Assistant

- Oversaw educational development by checking assignments, supervising tests, and mentoring students for four classes with an average class size of 55.
- Provide tutoring in advanced modeling topics (e.g., Overlapping Generations and Endogenous Growth, Hodrick-Prescott (HP) filter & DSGE (Dynamic Stochastic General Equilibrium models), and Optimal Linear & Nonlinear Taxation using constrained optimization.)
- Assist in developing STATA, Excel, and Matlab projects to help students understand advanced macroeconomics.

LPL Financial, Fort Mill, SC May 2021- July 2021
Surveillance Analyst

- Spearheading trade and E-Comm surveillance reviews, focusing on compliance and risk management improvement.
- Identifying and investigating potential SEC, FINRA, and internal policy breaches for insider trading and other market manipulations.
- Executing detailed analyses in Actimize to detect patterns, trends, anomalies, and schemes in transactions and relationships across multiple trading domains.

North Carolina Department of Commerce, Conover, NC Aug. 2020- May 2021

Fraud Investigations

- Strengthened public trust by investigating claims identifying and verifying potential fraud in unemployment insurance benefits by conserving up to $10,000 a month in unemployment benefits.
- Adjudicated over 100 internally generated queries monthly by utilizing multiple databases and employment verifiers to determine whether fraud has occurred per N.C. Gen. Stat. 143-553.
- Restructured investigative workflow by advancing employment verifier and agent relations through state access portal evaluations.

US Army & NC Army National Guard, Conover, NC Oct. 2008 – Sep. 2019
Infantry and Intelligence Operations Specialist

- Guided a 6-7-member team, performing over 500 successful sustainment missions in support of Operation Enduring Freedom.
- Analyzed and evaluated over 100 intelligence briefs daily to assess the information environment's developments, trends, and threat implications to prepare and present findings.
- Accelerated quality control through developing spreadsheets, item lists, and other documents to track materials in company inventory.

PERSONAL PROJECT PORTFOLIO SITES

- GitHub- Code Repository: https://github.com/Jfowle33
- Tableau Public- Dashboards: https://public.tableau.com/profile/Joe.Fowler
- Graduate Thesis- https://www.proquest.com/openview/fbf735ad3c752c941bb80c039a987600/1
- Google Scholar- https://scholar.google.com/citations/Joe_Fowler

ACADEMIC PROJECTS

Economics Master Thesis Project (Panel Vector Autoregression and Dynamic Modelling) 2021

- Evaluated the impact of income inequality and corruption on economic growth from 2000 to 2017.
- Used the Corruption Perceptions Index by Transparency International.
- Employed multiple dynamic regressions to test the econometric assumptions identifying possible bidirectional causality in STATA.
- Employed Panel Vector Autoregression whether specific political environments favored economic growth in STATA.
- Compared the impulse responses and forecast error variance decompositions to study the interactions in the model.

EDUCATION

UNC Charlotte, Belk College of Business, Charlotte, NC
Ph.D. in Public Policy *Expected* Aug. 2021- May 2025
M.S. in Economics Aug. 2019- May 2021
Lenoir-Rhyne University, Belk College of Business, Charlotte, NC
B.A. in Economics Aug. 2016- May 2019

TECHNICAL SKILLS

Python, R, STATA, Tableau, SQL, Gretl, and Excel

QUANTITATIVE SKILLS

Econometrics- Linear Regression with Autocorrelated Disturbances, AR Models, ADL Models, Stationary and Nonstationary Stochastic Processes, ARIMA Models, Box-Jenkins Approach to Forecasting, VAR, Volatility Modeling and Forecasting. Logit, Probit and Tobit Models.

Data Science- Machine Learning Methods, Deep Learning/Neural Networks, Artificial Intelligence: Traditional (TensorFlow)