Margaret Bolton

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Employment History

2023 – · · ·   **Teaching Assistant**, North Carolina State University, Raleigh, NC

2018 – 2022   **Behavioral Researcher**. Duke University, Durham, NC.
Diagnosed potential barriers to behavior change, designed testable interventions, and analyzed the results of pilots and field experiments using statistical methods.
Analyzed large-scale data sets to generate insights on behavior change, using a variety of models, including but not limited to linear regression, survival analysis, binomial and multinomial regression.

2018 – 2019   **Teaching Assistant**. Georgia Institute of Technology, Atlanta, GA.

2015 – 2017   **Compliance Manager**. Johnson & Johnson (contracted through Artech Information Systems LLC), Remote.
Conducted independent audits of quality system elements at medical device manufacturing sites and design centers and provided feedback on action plans.
Analyzed quality data, e.g., field actions, complaints, etc., to find relevant trends and signals and provide recommendations to senior management.

2010 – 2014   **Quality Engineer/Manager**. Ethicon Sàrl, a Johnson & Johnson Company, Neuchatel, Switzerland.
Site quality lead for process risk assessment, process specification maintenance, development of statistical sampling plans. Project leader for value stream evaluation and project to improve process robustness, compiled and analyzed quality and manufacturing data for manufacturing process steps.

2008 – 2010   **Manufacturing Engineer**. Bio-Rad Laboratories, Vacaville, CA.
Managed cross-functional teams to specify, purchase, install, and validate new processing equipment, up to $700,000 capital expenditure. Designed and performed Measurement System Analysis (MSA) on in-process measurement instrumentation.

2005 – 2008   **Equipment/Validation Engineer**. GPSG, a division of ALZA Corp., a Johnson & Johnson Company, Vacaville, CA.
Validation lead of new product launch team, coordinating equipment qualifications in pharmaceutical manufacturing facility. Developed and reviewed qualification and validation testing documentation.

Education

2022 – Expected 2027	Ph.D. Economics, North Carolina State University
2017 – 2019	M.S. Analytics, Georgia Institute of Technology
2003 – 2006	M.S. Mechanical Engineering, Georgia Institute of Technology
2001 – 2003	B.S. Mechanical Engineering, Georgia Institute of Technology
1999 – 2001	Mathematics Major, University of Georgia

Teaching

North Carolina State University, *Instructor*
      ARE201, Introduction to Agricultural & Resource Economics
North Carolina State University, *Graduate Teaching Assistant*
      MBA505, Essential Economics for Managers
Georgia Institute of Technology, *Graduate Teaching Assistant*
      ISYE6501, Intro to Analytics Modeling

Technical Skills

Languages	Native English speaker. Business-level French.
Coding	R, Python, MATLAB, SQL, LATEX
Web Development	HTML, CSS, JavaScript, Qualtrics survey development.
Misc.	Academic research, teaching, training, root cause analysis, risk analysis, cognitive biases.

Publications

C. Ratcliffe, J. Burke, P. Heck, M. Bolton, and E. Saunders, "Consumer savings app strategies and savings outcomes," Consumer Financial Protection Bureau, Tech. Rep. 22-9, 2023. https://ssrn.com/abstract=4398403.

Conference Presentations

2025 **Camp Resources** (Graduate Student Summer Program), Asheville, NC

Professional Service

Refereeing
Review of Environmental Economics and Policy