






Michael Boerman
www.michaelboerman.com

CONTACT  hireme@michaelboerman.com
 [linkedin.com/in/michael-boerman](https://www.linkedin.com/in/michael-boerman)

PORTFOLIO  [Explained by Michael YouTube channel](#)
 [Covid Lockdown Severity Index](#)
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PROGRAMMING LANGUAGES **Advanced:** R (tidyverse, Shiny, packages), L^AT_EX, regex, git/version control, linux, Excel
Proficient: SQL, Matlab, python, Tableau, Minitab, Adobe Creative Suite
Beginner: SAS, Stata, C++, HTML/CSS, javascript

PROFESSIONAL JOB HISTORY **Federal Reserve Board of Governors**
Financial Systems Analyst, December 2021 - Present
Division: IT: Monetary, Research, & Capital Reports

Senior Research Assistant, May 2020 - December 2021
Division: Research & Statistics: Current Macroeconomic Conditions
Projects Worked: Macroeconomic now-casting models used in U.S. monetary policy
Links to Work: [Predicting the Present](#) and [Covid Lockdown Severity Index](#)
Responsibilities: Wrote code in R and Matlab for new models and visualizations. Refactored old, outdated, faulty code to meet rigorous robustness standards, including tests. Cleaned data for research projects. Built and maintained documentation wiki in R Shiny. Studied and implemented econometric models using state-space time series, ARIMA, dynamic factor, and Bayesian VAR methodologies.

EDUCATION **Harvard Extension School**, Cambridge, MA, USA
2021 - present
Graduate Certificate in Programming

Georgia Institute of Technology, Atlanta, GA, USA
2019 - 2020
GPA: 4.0/4.0
M.S. in Economics, concentration in econometrics

University of Alabama in Huntsville, Huntsville, AL, USA
2015 - 2019
GPA: 4.0/4.0
B.S. in Industrial & Systems Engineering; Minor in Astrophysics

INTERNSHIP EXPERIENCE NASA Space Launch System (systems engineering), Boeing 787 (supply chain management), General Electric (supplier quality engineering), Fulfyld (process improvement engineering).

CERTIFICATIONS **Six Sigma** Green Belt, ASQ, Spring 2018
Tableau Desktop Specialist, Tableau, Fall 2019. [Link](#).
Engineer-in-Training Alabama FE, NCEES, Spring 2019