

**Michael Boerman**  
[www.michaelboerman.com](http://www.michaelboerman.com)

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CONTACT

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PORTFOLIO

📺 [Explained by Michael YouTube channel](#)  
📈 [Covid Lockdown Severity Index](#)  
💻 [www.michaelboerman.com](http://www.michaelboerman.com)

PROGRAMMING  
LANGUAGES

**Advanced:** R (tidyverse, Shiny, packages), L<sup>A</sup>T<sub>E</sub>X, 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 Refactored old, outdated, faulty code to meet rigorous robustness standards, including tests.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