

# Michael Boerman

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## CONTACT

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in [linkedin.com/in/michael-boerman](https://www.linkedin.com/in/michael-boerman)

## PORTFOLIO

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

## PROFESSIONAL JOB HISTORY

### Federal Reserve Board of Governors

May 2020 - *Present*

Job Title: Senior Research Analyst  
Division: Research & Statistics: Current Macroeconomic Conditions  
Skills Developed: R (tidyverse), R Shiny, linux, shell scripts, regex, version control (git), MATLAB, SQL, L<sup>A</sup>T<sub>E</sub>X, research process, agile  
Responsibilities: Re-factor code (R and MATLAB), write new code for models, write new code for plots and tables, clean data for research projects, improve data infrastructure, build and maintain documentation wiki. State-space time series analysis, dynamic factor models, and Bayesian VARs.  
Projects Worked: Macroeconomic now-casting models used in U.S. monetary policy  
Links to Work: [Predicting the Present](#)  
[Covid Lockdown Severity Index](#)

## EDUCATION

### Harvard Extension School, Cambridge, MA, USA

2021 - present

Graduate Certificate in Programming

### Georgia Tech, 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).

## PROGRAMMING LANGUAGES

**Advanced:** R (tidyverse, Shiny, custom packages), SQL, regex, git/github, Powerpoint  
**Proficient:** L<sup>A</sup>T<sub>E</sub>X, Matlab, python, Tableau, Minitab, Adobe Creative Suite  
**Beginner:** SAS, Stata, C++, HTML/CSS, javascript

## CERTIFICATIONS

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