

**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](#)  
📁 [michaelboerman.com](http://michaelboerman.com)

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

PROFESSIONAL  
JOB HISTORY

**Federal Reserve Board of Governors**

May 2020 - *Present*

Division: Research & Statistics: Current Macroeconomic Conditions  
Job Title: Senior Research Assistant  
Skills Developed: R, Shiny, ETL, linux, shell scripts, regex, version control (git), MATLAB, SQL,  $\text{\LaTeX}$ , 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, maintain gitlab repositories. State-space time series analysis and dynamic factor models  
Projects Worked: Macroeconomic now-casting models used in U.S. monetary policy  
Links to Work: [Predicting the Present](#)  
[Covid Lockdown Severity Index](#)

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:**  $\text{\LaTeX}$ , Matlab, python, Tableau, Minitab, Stata, Adobe Creative Suite  
**Beginner:** SAS, 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  
**Master Tutor** CLRA, Spring 2018