

Michael Boerman
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CONTACT

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PORTFOLIO

📺 [Explained by Michael YouTube channel](#)
📈 [Covid Lockdown Severity Index](#)
📄 www.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^AT_EX, 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, ARIMA models, 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 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).

PROGRAMMING
LANGUAGES

Advanced: R (tidyverse, Shiny, R packages), SQL, regex, git, Powerpoint
Proficient: L^AT_EX, 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