

Michael Boerman

CONTACT

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PORTFOLIO

📊 [Covid Lockdown Severity Index](#)
🔗 github.com/michaelboerman
📖 michaelboerman.medium.com

EDUCATION

Harvard Extension School, Cambridge, MA, USA
2021 - present
GPA: 4.0/4.0
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
Senior Theses:
– *Systems Engineering*: [NASA Mars Lander propulsion system](#)
– *Economic Decision Analysis*: [Career Comparison Tool](#)

JOB HISTORY

Federal Reserve Board of Governors

May 2020 - *Present*

Division: Research & Statistics
Section: Current-Macroeconomic Conditions
Job Title: Research Assistant
Skills Developed: R, Shiny, linux, shell scripts, version control (git), L^AT_EX, research process, agile
Responsibilities: Re-factoring code (R and MATLAB), writing new code for models, writing new code for plots and tables, collecting and cleaning data for research projects
Projects Worked: Macroeconomic now-casting models for use in monetary policy
Links to Work: [-Predicting the Present](#)
[-Covid Lockdown Severity Index](#)

INTERN & PART-TIME EXPERIENCE

Boeing
May 2018 - August 2018

Division: Space, Defense, and Security
 Section: Systems Engineering, Integration, and Testing
 Job Title: Systems Engineering Intern
 Skills Developed: IBM Rational DOORS, ProE CAD, project management
 Projects Worked: NASA Space Launch System - EUS and ICPS
 Responsibilities: Created text databases of requirements for multiple sub-contractors.
 Traced hydrogen fuel lines throughout rocket to verify connections.
 Links to Work:

May 2017 - August 2017

Division: Commercial Aircraft
 Section: Interiors: Monuments
 Galleys
 Job Title: Supply Chain Analyst Intern
 Skills Developed: MS Visio, supply chain management
 Projects Worked: 747, 787
 Responsibilities: Performed supplier qualifications and assessments. Reduced installation damage.

Fulfyld

August 2018- December 2018

Division: Warehousing
 Job Title: Process Improvement Engineer Intern
 Skills Developed: 5S, six-sigma, process improvement, minitab
 Responsibilities: Workplace organization, created and maintained work instructions, facility layout, cycle time analysis, and lean workflow. Designed and implemented ergonomic user workstations and using systematic layout planning for product locations in a new warehouse.

PROJECTS

SCHOLARSHIPS, AWARDS, AND GRANTS

School of Economics Fellowship, Georgia Tech, 2019 (\$1,500)
UAH Alumni Association Scholarship, Univ Alabama Huntsville, 2019 (\$4,000)
HASBAT Scholarship, Huntsville Assoc. of Businesses of Advanced Technology, 2017 (\$1,500)
UAH ISEEM Departmental Scholarship, Univ. Alabama Huntsville, 2019 (\$250)
IFREE Workshop Sponsorship, International Foundation for Research in Experimental Economics, 2019 (\$250)
STEM Scholarship, World Championship Punkin Chunkin Association, 2017 (\$1,750)
UAH Presidential Scholarship, Univ. Alabama Huntsville, 2015-2019 (full tuition)

PROGRAMMING LANGUAGES

Advanced: R (tidyverse, Shiny, custom packages), SQL, git/github, Powerpoint
Proficient: \LaTeX , Matlab, python, Tableau, Minitab, Stata, Adobe Creative Suite
Beginner: SAS, C++, HTML/CSS, Simio
Misc. Skills: Woodworking.

CERTIFICATIONS	<p>Six Sigma Green Belt, ASQ, Spring 2018</p> <p>Tableau Desktop Specialist, Tableau, Fall 2019. Link.</p> <p>Engineer-in-Training Alabama FE, NCEES, Spring 2019</p> <p>Master Tutor CLRA, Spring 2018</p>
RESEARCH ASSISTANCE	<ul style="list-style-type: none"> • Common Inflation Expectations; Hie Joo Ahn, Federal Reserve Board. R and matlab for model specification, verification, and automation.
EDUCATIONAL EXPERIENCE	<p>Independent Online Tutoring, Summer 2019 Tutored various college students in Economics, Statistics, and Data Analysis courses.</p> <p>Teaching Assistant, Georgia Tech, Fall 2019 - Spring 2020 Assisted various professors in proctoring and grading exams. Light-weight research assistance and data collection.</p> <p>Tutoring Content Development, Univ Alabama Huntsville, Summer 2019 Created handout sheets for UAH Student Success Center for introductory statistics, thermodynamics, mechanics of materials, and calculus. Designed the curriculum from scratch and created using MS Word with PowerPoint graphics and Latex formulas.</p>
VOLUNTEER AND OUTREACH	<p>Teaching Assistant, <i>Intro to Economics Data Analysis</i>, Howard University, Fall 2019 Helped students 1:1 in office hours with R programming. Created tips & tricks videos.</p> <p>Engineering Education Outreach, Univ Alabama Huntsville, Fall 2019 Developed fun and engaging STEM projects and deployed them in local middle and high schools.</p>