ALEX BASS

(931) 241-8116 · acbass49@gmail.com · **Portfolio** · **Github**

EDUCATION

University of Virginia   Expected Apr 2023
Master of Science: Data Science   Washington, DC

Brigham Young University   Apr 2020
Bachelor of Arts: Political Science   Provo, UT
Minor in Political Research and Data Analysis

EXPERIENCE

Morning Consult   Nov 2021-Present
Research Analyst   Washington, D.C.
- Created Powerpoint, Crosstab, and Topline deliverables for Fortune 500 clients using R.

Echelon Insights   April 2020-Nov 2021
Research Analyst   Washington, D.C.
- Led in modeling projects predicting election turnout for entire U.S. in 2022, phone response rates, etc.
- Wrangled, cleaned, weighted, or made presentations for 60+ survey datasets **with R, SQL, and AWS**
- Using R Shiny, built a codeless-crosstab tool for company's research team
- Programmed 40+ surveys using Alchemer/Survey Gizmo

Center for the Study of Elections and Democracy   Dec 2018-April 2020
Research Fellow   Provo, UT
- Mentored 60+ students in solving econometrics problems in weekly office hours
- Programmed and executed multiple survey experiments in original research projects
- Visualized data using R creating 50+ informative figures for the AFS official report, news outlets, and professor's projects

PERSONAL PORTFOLIO PROJECTS

US 2020 Election Model   November 2020
- Generated daily simulation based on a series of one sample t-tests from each state's 5 latest polls
- Created 3 visualizations displaying daily results that ran on script

Weekly COVID Email Update   November 2021
- Fully automated workflow taking latest CDC data, transforming into visualizations, and sending informative email every Saturday morning to subscribers
- Customizable for data to each subscriber's home state

Word Search Puzzle Generator   July 2020
- Built Shiny App that generates wordsearch puzzle and key
- Downloadable as csv for distribution

SKILLS

R   Python   SQL