Noah Britt

nbritt27@gmail.com | 864-915-4728 | nbritt27.github.io
LinkedIn: linkedin.com/in/noah-britt-31b3a6190

EDUCATION

Master's Degree, Computer Science — Clemson University
GPA: 3.59 — May 2024

Bachelor's Degree, Computer Science — Clemson University
GPA: 3.93 — December 2022

Minor, Global Politics — Clemson University
GPA: 3.93 — December 2022

WORK EXPERIENCE

Researcher, Clemson University WEAVE — January, 2021 – present

I was part of the WEAVE NSF Project (Preparing the Future Workforce for the Era of Automated Vehicles), a multidisciplinary grant focusing on sociological research on workforce impacts of automated vehicles. I developed machine learning and clustering-based topic models to aggregate and analyze thematic social media data, specifically data on public and within-industry views in the transportation industry towards autonomous adoption. I utilized network graph theory with qualitative and quantitative data collection for analysis of social network data from a truck driver forum to complement existing structured and unstructured models.

Product Strategist, Dream Center — June, 2020 – present

I worked on a product deployment team at the head storefront. I used logistic regression and Bayesian models to predict future growth and seasonal changes for planning product deployments. I also applied transport loading and scheduling optimization algorithms to improve the organization's method for truck pickups and deliveries.

Data Scientist, Clemson Social Media Listening Center — January, 2020 – January, 2021

I automated social media mining and analysis models using Python and D3 visualization libraries. I applied network graph theory to create community detection and contagion models for industry and government clients, and created visualization programs for real-time Twitter analysis of key "hot point" events.

SKILLS

Quantitative Analysis: Social network analysis, network graph analysis, topic modeling, data science, web design, machine learning, visualization, data mining, deep learning, machine learning, artificial intelligence, social listening, survey analysis, NLP

Qualitative Analysis: Thematic coding, survey design

Software suites: MS Azure and Office suites, Amazon AWS, Tableau, Looker, Brandwatch, Sprinklr, Social Studio, Paraview, PowerBI, Google ORTools and Firebase, Redis

Programming: Python, Javascript, SQL, Java, C#, C++, HTML, CSS, R

PUBLICATIONS

Agrawal, S., Schuster, A., Britt, N., Liberman, J., Cotten, S. (2020) Expendable to essential? Changing perceptions of gig workers on Twitter in the onset of COVID-19. *Information, Communication & Society, 1-20.* https://doi.org/10.1080/1369118X.2021.2020323

Agrawal, S., Schuster, A., Britt, N., Mack, E, Tidwell, M., & Cotten, S. R. (2023). Building on the past to help prepare the workforce for the future with automated vehicles: A systematic review of automated passenger vehicle deployment timelines. *Technology in Society, 72*, 102186. https://doi.org/10.1016/j.techsoc.2022.102186

Britt, N., Sierra-Rivera, J., Henderson, W. (2021, January 26). Insurrection at the Capitol. *Medium.* https://willjhenderson.medium.com/insurrection-at-the-capitol-df49154eec52

Britt, N., "We" the People: A Semantic Network Analysis of Donald Trump's Twitter Posts and its Implications for Modern Populism. Working Paper.

Kowalski, R., Deas, N., Britt, N., Richardson, E., Finnell, S., Evans, K., Carroll, H., Cook, A., Radovic, E., Huyck, T., Parise, I., Robbins, C., Chitty, H., & Catanzaro, S. (2023). Protection Motivation Theory and Intentions to Receive the COVID-19 Vaccine. *Health Promotion Practice, 24(3),* 465–470. https://doi.org/10.1177/15248399211070807

Sperry, D., Schuster, A., Cotten, S., Agrawal, S., Mack, E., Britt, N., & Liberman, J. (2022). Trucking in the Era of COVID-19. *American Behavioral Scientist*. https://doi.org/10.1177/00027642211066039

CONFERENCE PRESENTATIONS

Britt, N., Henderson, W., (2021) There is No Such Thing as Bad Publicity: Analyzing Elections in the Social Media Age. *CSCA 2021 Undergraduate Honors Research Conference*

Britt, N., Schuster, A., Agrawal, S., Chang, C., Van Fossen, J., Mack, E., Cotten, S. (2024) Truck Drivers and Autonomous Trucks: A Topic Modeling Analysis of Truck Driver Posts. *119th ASA Annual Meeting.* Montreal, Canada.

Agrawal, S., Schuster, A., Britt, N., Mack, E, Tidwell, M., & Cotten, S. R. (2023). Building on the past to help prepare the workforce for the future with automated vehicles: A systematic review of automated passenger vehicle deployment timelines. *5th Bridging Transport Researchers (BTR5)*

AWARDS

- CUHackIt Hack for the People Award (2020) - Worked with a team to develop a web- based application to facilitate buying and adding donated food to a food pantry through a social media style crowdsourcing algorithm
- CyberPatriot Competition State Second Place (2019) - Captained a team of four computer science students to secure a computer from both internal and network-based vulnerabilities

- CUHackIt HelloWorld 1st Place Award (2019) – Created a website to share menu changes scraped from online sources
- Lockheed Martin CodeQuest Advanced Division 2nd Place Award (2018) - Led a team of three computer science students to create a set of custom Python algorithms for predetermined problems, competing against approximately 25 opposing teams