

Experience

Mar. 2021 - Furniture Maker

Jan. 2024 Bricker & Beam

I took rough boards and turned them into beautiful pieces of custom furniture. Based on a brief, I made plans for creating each piece. I mentored two junior woodworkers.

Jan. 2019 - Software Developer

Mar. 2020 Carolina Material Handling

I developed a web application that provided real-time freight rates to customers who wanted to purchase industrial products on their website using several APIs. I improved their conversion rates by 30%.

May 2012 - Chief Programmer, Systems Administrator, Project Manager

Dec. 2018

U of SC Center for Digital Humanitie

I developed web applications in multiple programming languages and frameworks like **Paragon**, for which I refactored the algorithm to increase speed of comparisons by 50% (paragraphs, lines, characters). I managed teams of 5 programmers for 2 projects leading to successful completion and maintenance of web applications like **The Carlyle Letters Online** which sees over 100,000 hits per day; I refactored the xml translations in this project to improve load times by 80%. I also containerized and redesigned the organization's entire project ecosystem using Docker, Docker Compose, and NGINX.

Education

B.A. in English

2012 - Western Carolina University

B.S. Psychology

2012 - Western Carolina University

M.A. in English

2015 - University of South Carolina

Digital Humanities & Book History

Publications

Mullen Travis. "The King's Cabinet Splintered: The King's Cabinet Opened and Digital Mediation." **New Technologies in Medieval and Renaissance Studies**. ITER Press. 2022

Mullen, Travis and Rachel Mann. "Jane Welsh Carlyle's Social Network and the Lexical Construction of 'Home.'" **Carlyle Studies Annual**. 51 (2015/16): 145-159. St. Joseph's University Press. Print.

Projects

Early English Books Online and British Book Trade Index

This project scraped 135,000 books and 138,000 book trade workers from Early English Books Online. It combined these data sets to create social networks that included the semantic content of the materials being created, via LDA & LSM, to examine what social structures can tell us about potential artistic and craft output.

RU Trolls

This project used the Russian troll data that Twitter released to examine the way in which concepts and language functioned within the social networks of the trolls. Using Latent Semantic Mapping and treating each troll's collected tweets as a book, I developed a model of the conceptual structure of the 'corpus' of troll tweets. I then used this model to develop "hidden" social networks that were based on the conceptual content of the tweets rather than hard connections (follower/ing) and determined the probability of accounts being owned by the same person or bot.

Skills

- PYTHON _____
- SCALA _____
- DOCKER _____
- SNA _____
- JAVASCRIPT _____
- FUNC. PROG. _____
- WRITING _____
- PROJ. MGMT. _____



Travis Mullen

Software Developer

" I'm a software developer and furniture maker living in Columbia, SC. I am very interested in full-stack development, especially using Scala or Python. I'm also a big fan of functional programming and write things functionally whenever I can within the scope of the language I'm working in. I also learn very quickly on the job and have experience mentoring others. Much of my work has focused on corpus linguistics and social network analysis using hundreds of thousands of digitized books.

Email

travis.a.mullen@gmail.com

Mobile

(336) 549-8097

Portfolio

https://tamullen.com

Resume

Resume