

Clay Augustine Cantrell

Los Angeles, CA • clay.cantrell@me.com • 206-612-1744 • [LinkedIn Profile](#) • [Personal Website](#)

Education

UNIVERSITY OF SOUTHERN CALIFORNIA

Los Angeles, CA

BA, Cognitive Science, *magna cum laude*

Dec 2021

Minor in Computer Programming

GPA: 3.8

Relevant Coursework: Object-Oriented Programming in Java, Managing Data in C++, Programming in Python, Physical Computing, User Experience, Full-Stack Web Development, Cognitive Neuroscience

Experience

MIDDLE LLC.

Los Angeles, CA

Data Analyst

Aug 2024 – Now

- Developed interactive data visualizations and dashboards using Python libraries such as Seaborn, Streamlit and SQLAlchemy.
- Created an advanced package leveraging LLM's to automate both inductive and deductive qualitative coding across various forms of textual data.
- Designed a script that utilizes qualitative codes generated by my LLM package as context-specific metadata to improve embeddings for more accurate clustering performance.

FREELANCE

Los Angeles, CA

Production Coordinator

2021 – 2024

- Coordinated music video and commercial projects, managing logistics, schedules, and on-set operations from pre-production to wrap.
- Scouted and booked locations, arranged equipment and vehicle rentals, organized catering and waste disposal services, created and distributed call sheets.
- Oversaw a team of Production Assistants, delegating tasks effectively to ensure smooth operations.

MEASUREMENT AND MULTILEVEL MODELING LAB AT USC

Los Angeles, CA

Research Assistant, Programmer

Dec 2020 – Dec 2021

- Led the development of a user interface and web application for a mathematical program created by Associate Professor PI Hok Cho Lai, designed to perform selection accuracy analysis in scenarios involving partial invariance.

NEW GLOBE

Los Angeles, CA

Intern, Measurement and Evaluation

June 2021– Sep 2021

- Led the migration of department R and Python scripts from local systems to the Google Colab cloud environment.

SOCIAL LEARNING AND CHOICE LAB AT USC

Los Angeles, CA

Research Assistant

Feb 2019– Dec 2020

- Built and distributed surveys using Qualtrics, exploring the relationship between prediction error and empathy.
- Led a workshop on PsychoPy, an open-source Python package used to build behavioral experiments.

REDFORD HAULING

Seattle, WA

Construction Waste Management

May 2017– Aug 2019

- Loaded and transported construction debris from job sites to waste management facilities.
- Operated heavy machinery and vehicles safely and efficiently.
- Kept all appendages intact for the duration of employment.

SEATTLE PARKS AND RECREATION

Seattle, WA

Lifeguard, Swim Instructor

Aug 2015- Sept 2017

- Maintained certifications in CPR, First Aid, and AED.
- Never learned the butterfly stroke.