

Jenna Brooks

Computational Social Science Student | Data Analysis | Python | Data and Machine Learning for Social Good

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San Diego, California

Work Experience

UC San Diego

Sep 2024 - Present

The Tobacco E-commerce Lab | San Diego, California, United States

Working with UCSD's Tobacco E-Commerce Lab, I'm collaborating on a master's capstone project funded by the Tobacco-Related Disease Research Program. Our project focuses on developing interactive, map-based dashboards to enhance California's enforcement of flavored tobacco sales restrictions for online e-cigarette retailers. This web tool will equip local health authorities with actionable data for monitoring compliance, advancing public health initiatives, and supporting the state's Tobacco Use Prevention strategy.

In addition, we are using online searches of tobacco retailers we are fine-tuning an LLM to process tens of thousands of records, accurately identifying retailers from metadata.

English Language Teacher, Substitute

Apr 2022 - Oct 2024

Internexus San Diego | San Diego, California, United States

Refugee Resettlement Case Manager

Sep 2021 - Jan 2022

Jewish Family Service of San Diego | San Diego County, California, United States

Resettled over 50 Afghan refugees during 3 months of the Afghan resettlement effort.

Connected clients with critical food, housing, and job resources.

Ensured all immigration and US documents were acquired and contacted USCIS representatives for further information as necessary.

Met strict government deadlines and adhered to standards for refugee resettlement procedures.

Managed family budget of up to \$7,500 in government funding for resettlement costs.

Collaborated with multicultural interpreters to ensure all services were provided with client satisfaction.

English Second Language Instructor

Aug 2020 - Sep 2021

Mujeres Unidas Avanzando | Boston, MA

Facilitated daily online English classes for a group of over 30 Latinx immigrant women, incorporating project-based learning methods to enhance language skills.

Designed and executed engaging lesson plans, organized educational materials, and created multimedia presentations to support the learning process.

Utilized extensive knowledge of e-learning software to enhance student engagement and increase their proficiency in using e-learning tools.

Provided additional support to students in the form of mental health resources, food assistance, and yoga to help them navigate the challenges of the pandemic and find a sense of community and purpose.

English Teacher, Technology Teacher, Volunteer Coordinator

Sep 2019 - Aug 2020

BEST Hospitality Training | Medford, MA

Facilitated Intermediate English as a second language classes for over 40 adult students in the hospitality industry, both in person and online.

Delivered comprehensive computer skills training to new computer users, including Gmail setup, Google Apps (Docs and Sheets), and essential computer usage skills.

Catered to the needs of non-native English speakers and individuals with low tech literacy.

Completed Americorps Trainings in Citizenship Clinics, Workforce Development for Immigrants and Refugees, and English as a Second Language (ESOL) instruction

Volunteer Experience

BEST Hospitality ESL Teacher

Sep 2019 - Jul 2020

AmeriCorps

Completed 1700 hours of volunteer service.

Core Skills

Large Language Models (LLM), Prompt Engineering, Mapping, Dashboard Building, Public Health, Conflict Resolution, Plotly, Data Visualization, Machine Learning, Natural Language Processing (NLP), Geographic Information Systems (GIS), SQL, GitHub, Research Skills, Pandas (Software), HTML, JavaScript, R (Programming Language), Big Data Analytics, Python (Programming Language)

Education

UC San Diego

Jul 2024 - Present

MS Computational Social Science

University of St Andrews

Jan 2015 - Jan 2019

Bachelor's degree International Relations and Affairs and Social Anthropology

Languages

German (*FULL_PROFESSIONAL*)

Certificates

Big Data, Artificial Intelligence, and Ethics

University of California, Davis