JACK **STEHN**

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EDUCATION

MAY 2021

B.A. DATA SCIENCE: QUANTITATIVE SOCIAL SCIENCE, UC BERKELEY, 4.0 GPA

Received *Outstanding Data Science Undergraduate* award recognizing performance in the major, research, and contributions to the data science community at Berkeley.

Coursework Includes: Data and Decisions, Techniques of Data Science, Time Series, Artificial Intelligence, Structure of Computer Programs, Data Structures, Data Ethics, Language Models and Texts Analysis, Machine Learning

EXPERIENCE

JAN 2021 – CURRENT

PROJECT MANAGER, DATAGOOD @ BERKELEY

Managed a team of data science students to create a chatbot for the NGO CalSafe that helps individuals get information on wildfire preparation, ecology, and recovery. Project uses Spacy and NLTK for cleaning and processing. Required data collection from Twitter, reddit, Facebook, and other online sources. Created pipeline and machine learning model for intent classification with Scikit-Learn.

AUG 2020 – CURRENT

DATA SCIENCE RESEARCHER, UC BERKELEY SCHOOL OF PUBLIC HEALTH

Self-taught and performed geospatial study of violence and safety for homeless youth in San Francisco. Performed qualitative analysis on 45 walking interviews, collecting information on approx. 380 locations in San Francisco. Helped develop the ethical framework and methodology of the study. Visualized data, created models, and performed geospatial analysis using GeoPandas, Folium, matplotlib, Esri ArcGIS, Pandas, and scipy. Ensured reproducible science in project design and Jupyter Notebooks.

MAY 2019 – AUG 2019

FULL STACK DEVELOPMENT, CONTRA COSTA COMMUNITY COLLEGE DISTRICT

Contracted and worked independently to develop a web application used by Californian students to identify majors and related fields as various Californian universities. Scraped and organized over 10,000 rows of information on California public university programs into a single database to be searchable by the public. Tool assists prospective students by helping them find the best university for them. In the development of this tool, I used Javascript, AJAX, jQuery, PHP, HTML, CSS, Python, SQL, Adobe Photoshop, and Adobe Illustrator.

PROJECTS

Spaces of violence against homeless youth (2021) – Qualitative and geospatial analysis

SARS-COV2/COVID-19 Exploration (2020) – Predictive modeling and inference.

Text Analysis of the Warren Court (2020) – Natural language processing: nltk, genism, topic modeling

Modeling the Spread of Disease (2018) – Differential equations, Linear Algebra, matlab

LANGUAGES, LIBRARIES, AND SYSTEMS

Python, R, Excel, SQL, Google Sheets, Java, LaTeX, Git, ArcGIS
Pandas, Numpy, Scikit-Learn, PyTorch, GeoPandas, statsmodels, SciPy, Seaborn, matplotlib, NLTK, BeautifulSoup
Linux, Windows