

# Leen Armoush

510-677-0483 | Larmoush@berkeley.edu | linkedin.com/in/leen-armoush | https://github.com/LeenArmoush

## EDUCATION

### University of California, Berkeley

Berkeley, CA

Bachelor of Arts in Data Science, Emphasis in Human Behavior and Psychology

Aug. 2020 – June 2024

**Notable Coursework** Techniques of Data Science (Python/SQL), Data Structures (Java), Human-Centered Design

**Certificates** Berkeley Certificate in Entrepreneurship and Technology, Udemy Web Development Bootcamp, Fung Institute for Engineering Leadership

**Awards** 1st Place - Accenture S2S Pitch Competition, Data Science Insights Award, Cal Leadership Award (2x), UC Berkeley Collider Cup Award, Data Scholar, CAP Scholar, Cal Alumni Scholar

## EXPERIENCE

### Generative AI Intern

June. 2023 - Aug. 2023

Accenture - Skills to Succeed: eTeam

San Francisco, CA

- Developed Proof of Concept for generative AI analytics tool which analyzes data based off natural language prompt, contributing to its successful implementation which received praise from company leadership, resulting in push for a patent
- Leveraged Large Language Models (LLMs) and prompt engineering for software development applications such as automated code translators and load testing tools, enhancing development efficiency
- Developed compelling client facing and internal slide decks for product demos; Investigated competing AI tool and documented its capabilities, features, and limitations through testing
- Contributed to patenting process for several Generative AI tools, ranging from SDLC to knowledge bot use cases

### UX Design Lead and Data Science Intern

Aug. 2022 - Jan. 2023

California Academy of Sciences Museum

Berkeley, CA

- Designed a platform to display data using Figma, resulting in a 90% increase in user engagement with museum archives and a more intuitive interface for users
- Cleaned and analyzed 16 million rows of data using SQL, extracting 400,000 useful data points to create clusters, which allowed mapping of data

### Data Science Intern - Data Science Insights Award

Aug. 2021 - Jan. 2022

BART : Bay Area Rapid Transport

Berkeley, CA

- Created a one-screen visualization of daily critical operations for BART managers, condensing 100+ daily reports
- Collaborated with lead BART Data Scientist and communicated with managers to identify missing information in daily operation reports
- Utilized advanced machine learning techniques and leveraged Python libraries, including Pandas, ipywidgets, and seaborn, to develop highly insightful and interactive data visualizations

## PERSONAL PROJECTS

### Data Mining: Dimensionality Reduction | *Python, Pandas, Numpy, Sklearn*

Oct. 2022

- Using Word2Vec to machine learn distributed representations of words from The Great Gatsby
- Ran K-means clustering on word vectors, reduced the dimensionality of word vectors using TSNE, drew conclusion from visualization

### Neural Networks | *Python, Pandas, Numpy, Sklearn*

May 2022

- Conducted exploratory data analysis on data set, then trained a neural network with a hidden layer
- One-hot encoded categorical features to train and predict the class of the test set

## LEADERSHIP

### Muslim Women in Data/Computer Science | *President*

June 2022 - Present

- Founded a community where Muslim women can network, learn, teach, and practice data science

### Web Development at Berkeley | *Industry Designer*

Jan. 2022 - Present

- Designed four client websites using UI/UX principles and creative abilities, resulting in cleaner interface and average 40% increase in user engagement

## TECHNICAL SKILLS

**Languages:** Python, SQL, JavaScript, HTML/CSS, R

**Frameworks and Libraries:** React, Vuex, Pandas, Scikit-Learn, NumPy, Matplotlib, Seaborn, Streamlit, Tableau, Node.js

**Developer Tools:** Figma, Git, Docker, Jupyter Notebook, Atom, IntelliJ, JIRA, Vue.js, VS Code, IntelliJ