EMAD SIDDIQ

emadsiddiq@berkeley.edu | www.esiddiq.com | +1 (510) 990-5437 | Fremont, CA

EDUCATION

University of California, Berkeley   August 2017 - May 2021, Berkeley, CA

Bachelor of Arts in Data Science and Political Economy   GPA: 3.24

Relevant Courses: Machine Learning, Design and Analysis of Algorithms, Stochastic Processes, Principles and Techniques of Data Science, Probability for Data Science, Data Structures and Algorithms, Ethics of Data Science, Linear Algebra, Econometric Analysis, Political Economy of Silicon Valley, Information, Media and the Public Discourse

Frameworks: Springboot, Helm, Kubernetees, Docker, Minikube, Stellar Blockchain, React, Scikit-Learn, TensorFlow, NLTK, PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, AWS, PostgreSQL, Apache Camel, Ethereum stack

Languages: C, Java, R, Python, SQL, Julia, C++, C#, Scheme, HTML, CSS, Javascript, PHP, Ruby, Objective-C

EXPERIENCE

Software Engineer   New York, NY

Fin3 Technologies Inc.   January 2022 - Present

• Deployed a program with Helm and Docker to create a tokenized deposit on the Stellar network

• Designed smart contracts for deployment on Provenance, a proprietary proof-of-stake blockchain

• Created a containerized application in Java to interact with a core banking API using the Spring Boot framework

Undergraduate Research   Berkeley, CA

UC Berkeley Law School   May 2020 – August 2020

• Conducted research for Professor Sonya Katyal's Trademark & Branding Project as the team's lead data scientist

• Parallelized data extraction from remote XML files, with limited cloud storage (5 GB), for over 100GB of data

• Designed a fast matching algorithm for relevant companies from a list provided by Haas School of Business

PROJECTS

Good News

• Tackled the flood of negative news following the pandemic, by gathering good news from 50+ news sources • Applied Sentiment Analysis using Python & NLTK, to rank the positive of news articles from NewsAPI

Tech-Khwani

• Leveraged Google Colab's free resources to teach CS fundamentals with no prerequisites to Pakistani students

• Tutorials included: training a neural network to predict housing prices in Islamabad

Data Mining

• Mined 10 years archives for Pakistan's leading newspaper Dawn.com, using BeautifulSoup on a remote server