# EMAD SIDDIQ

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## 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 (CS 189), Probability (STAT 140),  Analysis of Algorithms (CS170),  Econometric Analysis (ECON 141), Data Science (DS 100), Linear Algebra (MATH 54), Stochastic Processes (INDENG 173)

## EXPERIENCE

**Software Engineer I** (Identity & Access Management team)  San Francisco, CA

Flexport Inc.  November 2022 - Present

- Implemented in-house industry standard OAuth services in pure Java for the utmost security, scalability and cost-savings

- Helped sunset Auth0 by rewiring legacy systems to use our in-house IAM services, helping save over $250,000 annually

- Led the uptake of IAM's services by various internal teams, onboarding new developers and working across timezones
- Seamlessly integrated Flexport's two acquisitions, Deliverr and Shopify Logistics, with our new in-house IAM offerings
- Added a custom test coverage Github PR comment generator to our CI/CD pipeline using pandas and Jacoco

**Software Engineer**  New York, NY

Fin3 Technologies Inc.  January 2022 - October 2022

- Designed and deployed a program with minikube and Docker to create tokenized deposits on the Stellar network

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

- Created a containerized application in Java Spring Boot to interact with a core banking API

- Programmed an auto email reporting system for Bitcoin hashrate monitoring application with Python & Docker

## PROJECTS

**Good News**

- Applied Sentiment Analysis using Python & NLTK, to collect all positive news from the Internet using NewsAPI

**Tech-Khwani**

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

**Frameworks:** Springboot, Helm, Kubernetees, Docker, Minikube, Stellar Blockchain, React, Scikit-Learn, TensorFlow, NLTK, PyTorch,  networkX, NumPy, Tendermint, Cosmos SDK, AWS, PostgreSQL, Apache Camel, Ethereum, Next.JS, Pandas, TensorFlow, Flask, PostgreSQL, OAuth, HTTP, GraphQL, Grafana

**Languages:** C, Java, R, Python, SQL, Julia, C++, C#, Scheme, HTML, CSS, Javascript, PHP, Ruby, Go, Rust