Adel Setoodehnia

asetoodehnia@berkeley.edu | 908-416-0699 | LinkedIn: linkedin.com/in/adel-setoodehnia/

EXPERIENCE

Coinbase — Remote / New York City, NY
Software Engineer — *July 2024 - Present*

- Led full-stack development of Iris, Coinbase's internal notification platform, building React/TypeScript frontend and Go-based microservices enabling product teams to deliver lifecycle messaging to millions of users.
- Designed and deployed distributed backend services on Kubernetes (AWS), leveraging Kafka for event-driven processing and integrating with Snowflake and MongoDB to support scalable notification orchestration and user targeting.
- Architected Elasticsearch-based search infrastructure and APIs, enabling fast, flexible querying and reuse of notification templates, improving developer productivity and campaign velocity across teams.
- Developing LLM-powered automation to generate notification templates and cohort targeting queries from Snowflake-backed data, reducing manual effort and accelerating campaign creation.

Brex — Remote / New York City, NY
Software Engineer I & II — *March 2021 - Jan 2024*

- Early engineer on the Spend Accounting Integrations team, building backend systems enabling integrations between Brex's spend management platform and major ERP systems.
- DRI for the QuickBooks Online integration on Empower™, Brex's spend management platform generating over $100M in ARR.
- Led the backend effort to develop the Value-Added Tax feature for Brex's Netsuite integration and the Accrual Accounting feature for Brex's Quickbooks Online integration, facilitating proper book closure for hundreds of non-US companies
- Helped drive the re-architecture effort of the team as a DRI for the design and migration of our Quickbooks Online and Netsuite integrations, two of the most sought after integrations for our enterprise-level customers.

CityTech, CUNY — New York City, NY
Adjunct Professor — *August 2023 - Present*

- Teach undergraduate course on Natural Language Processing, covering statistical NLP, deep learning, and modern language model techniques.

University of California, Berkeley — Berkeley, CA
TA - CS61B: Data Structures — *August 2018 - December 2020*

- Taught discussion sections, mentored students, and helped maintain grading and course infrastructure for Berkeley's core Data Structures course.

Goldman Sachs — New York City, NY
Securities Strats Summer Analyst — *May 2019 - August 2019*

- **Equities Synthetic Products Group Strats team**: I conducted research and analysis on Goldman's projected dividend data, identifying some key issues and proposing solutions to help remodel and update projection models Goldman Sachs uses for the data. The data was comprised of the dividends being paid out by all the underlyers of the Russell 3000 index, and I conducted my analysis and tested my models primarily in Python.
- **Ficcs Bolt Web Strats and Ficcs Repo Strats team**: I implemented a framework to automate quoting for Bond Future Invoice Spreads. I primarily worked in Slang, Goldman's proprietary programming language, and Java.

Intertrust Technologies — Sunnyvale/San Francisco, CA
Data Scientist Intern — *May 2018 - August 2018*

- I worked with the Data Science team to design and develop ML algorithms and models utilized by Intertrust's Modulus Trusted Data Platform; namely LSTM RNNs for power prediction and anomaly detection of time series data provided by several wind farms.

SKILLS

Languages: Go, TypeScript, Kotlin, Python, SQL

Frontend: React, TypeScript

Infrastructure & Data: AWS, Kubernetes, Kafka, Snowflake, MongoDB, PostgreSQL, Elasticsearch

Machine Learning: PyTorch, TensorFlow, Scikit-learn, NLP, LLMs

EDUCATION

University of California, Berkeley — Berkeley, CA
Bachelor of Arts in Mathematics and Computer Science — *Class of 2020*