

Abhinav Anand

408.203.9582 | [linkedin.com/in/abhi-n-anand](https://www.linkedin.com/in/abhi-n-anand) | abhinavanand@berkeley.edu

EDUCATION

University of California, Berkeley

Aug 2021 – May 2021

B.A. Computer Science and Public Health

Berkeley, CA

Relevant Coursework: Data Structures, Algorithms, AI / ML, Databases, Networking, Computer Architecture

Honors: Dean's List (4x), Cal Alumni Leadership Award, PWC Case Competition (2nd Place)

EXPERIENCE

Citadel - Crude Trading Desk

Nov 2022 - Present

Quantitative Software Developer

Chicago, IL

- Developing research infrastructure leveraging **Python** and **GCP** for data analysis and quantitative modeling
- Engineered distributed demand forecasts with intelligent caching for a 7x speedup and 80% cost reduction
- Designed key analytical layer using **Mongo**, **Spanner**, and **BigQuery** to efficiently query terabytes of data
- Created interactive dashboards using **Plotly/Flask** for dissecting model performance and visualizing regional balances to highlight arbitrage opportunities and fundamental imbalances in supply and demand
- Strengthen system resilience through collection of crucial operational metrics and performance optimizations
- Developed and maintained a nowcasting model for U.S. NGL production, improving prediction accuracy

Amazon Lab126 - Astro

Aug 2021 - Nov 2022

Software Engineer

Sunnyvale, CA

- Redesigned and implemented a new home screen application in **Java/Kotlin** for all production devices, resulting in an 18% reduction in the APK footprint and the elimination of cross-organization dependencies
- Created an on-device to cloud metric collection pipeline to capture the consumer perceived defect rate in autonomous behavior and to identify key features in the upcoming annual business roadmap

Amazon Lab126 - Astro

May 2020 - Aug 2020

Software Engineering Intern

Sunnyvale, CA

- Designed and implemented a framework to triage bugs from **ROS** logs through LSTM NNs in **Keras**
- Built scalable ML pipeline with **AWS ECR/ECS**, enabling distributed model training and inference
- Drove cross-team alignment for future integrations and hyperparameter tuning requirements

LEADERSHIP

Berkeley Business Society

Jan 2018 - May 2021

Internal Vice President

Berkeley, CA

- Led strategic direction and operations for 60+ member organization, resulting in record \$80,000 revenue
- Optimized \$35,000 budget across talent acquisition, project execution, and professional development

Project Manager

- TED Conferences - Directed 6-member consulting team to redesign the UI/UX of TED's digital platform
- United Airlines - Led a 7-person team conducting market research and SWOT analysis of product offerings

University of California, Berkeley Computer Science

Jan 2019 - May 2021

Academic Intern and Tutor

Berkeley, CA

- Conducted review sessions, ran labs and held office hours for Data Structures and Computer Architecture

PERSONAL

Projects: Publius (Audio Social Media, **SwiftUI**), Cloth Simulation (**C++**), Encrypted File Sharing (**Golang**)

Interests: Day Hikes, High Fantasy Novels, Jigsaw Puzzles, Spikeball, Catan, and Golden Retrievers