Shahzeb Lakhani

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Education

University of Southern California, Viterbi School of Engineering   August 2022-May 2025
Computer Science and Business Administration (Machine Learning) - GPA: 3.90

Experience

APIsec.ai (VC Backed Security Company) - AI Engineer Intern   May 2023-August 2023

- Coordinated with engineering, product, and AI leads to develop and complete solution to reduce human effort by 90%
- Developed a classifier solution end-to-end by accumulating, transforming, and fitting data, then hosting an API endpoint with the model for DevOps to deploy into production product.
- Utilized LangChain to create a natural language interface to condense key information for the customer, increasing ease of use
- Leveraged tech: Optuna, Seaborn, SKLearn, IMBLearn, NLPaug, Gradio, FastAPI, LangChain, Autokeras, AWS Sagemaker

BurnBot (VC Series A Fire Prevention Technology Company) - SWE   June 2022-September 2022

- Ideated with founder to develop solution for identifying high risk areas for forest fires
- Architected and built an analytics program utilizing commercial forest imaging data to provide large-scale analysis on forest-fire fuel as well as high-risk buildings data
- Leveraged tech: Scipy, Rasterio, Geopandas, Jupyter Labs

Veke.co (VC Seed funded 20-Person Stealth Startup) - Engineering Lead   August 2021-May 2022

- Led team to deliver 1.0 of the Veke platform, where content creators monetize creations, by creating an AWS backend and frontend infrastructure
- Facilitated seed funding as part of leadership team to acquire funds for development of product
- Leveraged tech: Prisma, Typescript, Node.js, SQL, Figma, AWS, Git

Zscaler (Nasdaq Zscaler) - Product Management Intern   July 2021-October 2021

- Partnered with product management to automate human-based data collection and integrate results into underlying product
- Tested with software engineers to determine efficacy of added metrics, such as its TLS version, location, or compliance
- Leveraged tech: Excel, Requests, Numpy, Pandas, Matplotlib

Thales (AI Analytics) - Software Engineering Intern   June 2019-August 2019

- Extended python webscraper to pull from web forums to train ML model for automated customer service response
- Leveraged tech: Selenium, Spyder, Word2Vec

Skills & Certifications

- **Competitions** - International Economics Olympiad, Gold Presidential Service Award, 1st Place Future Problem Solving International **Competition-**Competitive Tennis Player
  Artificial Intelligence/ML application, Node.js, C++, CMake, Linux, Python, Javascript, Java, Web Scraping, Model Development, TensorFlow, scikit-learn, PyTorch, Numpy, Pandas, Matplotlib, AWS, CV, Predictive Analyis, ML algorithms, Reinforcement Learning, Typescript, SQL, Figma, Geopandas, Flask, Ruby on Rails, Word2Vec, LLM

Leadership & Involvement

- USC Value Investing Group Analyst   February 2023-Present
- USC AI Safety Vice President   February 2023-Present
- USC Economics Review Writer   January 2023-Present
- Captain National Economics Gold Medal team   January 2022-July 2022