

# Shahzeb Lakhani

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## Education

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**University of Southern California**, Viterbi School of Engineering  
Computer Science and Business Administration (Machine Learning) - GPA: 3.87

May 2025

## Experience

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### **BurnBot (VC Series A Fire Prevention Technology Company) - SWE**

June 2022-September 2022

- Conceptualized with cofounder to innovate uses of new data to identify prospects and achieve product-market fit
- 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) - Head of Engineering**

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 the leadership team
- 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
- Worked with software engineers to test efficacy of added metrics, such as its TLS version, location, or compliance
- Leveraged tech: Excel, Requests, Numpy, Pandas, Matplotlib

### **APIsec.ai (VC Backed Security Company) - API Vulnerability ML**

July 2020-February 2021

- Implemented application to extract word semantics from key characteristics of each endpoint
- Scripted an API feature extractor to feed into a Deep Neural Network to determine specific endpoint vulnerabilities, reducing false positives as to improve effectiveness of product
- Leveraged tech: Tensorflow, Google API, Word2Vec

### **Thales (AI Analytics) - Software Engineering Intern**

June 2019-August 2019

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

## Skills & Certifications

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- **Gold Medal** - 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 Analysis, ML algorithms, Reinforcement Learning, Typescript, SQL, Figma, Geopandas, Flask, Ruby on Rails, Word2Vec, LLM

## Leadership & Involvement

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- USC Value Investing Group Analyst February 2023-Present
- USC AI Safety Technical Track February 2023-Present
- USC Economics Review Writer January 2023-Present
- Captain National Economics Challenge January 2022-July 2022