Shahzeb Lakhani

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Education

University of Southern California, Viterbi School of Engineering   May 2026
Computer Science and Business Administration

Experience

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

- · Coordinated with cofounder to innovate uses of new data to fund action and identify prospects based on quantitative risk scoring
- · Built an analysis program utilizing commercial forest imaging data to provide large-scale analysis on forest-fire fuel as well as high-risk buildings data utilizing modern wildfire research
- · Leveraged tech: Scipy, Rasterio, Geopandas, Jupyter Labs

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

- · Lead team to create a platform where content creators can monetize creations by developing a backend and frontend infrastructure and ensuring application uptime while enabling new members to easily adjust to directives of Veke
- · Research frameworks needed and develop an architecture, experiment with different technologies to ensure constant runtime
- · Leveraged tech: Prisma, Typescript, Node.js, SQL, Figma, AWS

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

- · Researched new ways to automate collection of data and integrate work into underlying ZPA product data as member of product management team to make a more accurate product, thus improving customer trust
- · Initiated work with software engineers to test efficacy of added metrics, such as its TLS version, location, or compliance

APIsec.ai (VC Backed Security Company) - API Vulnerability ML   July 2020-February 2021

- · Defined problem with CTO to then implement 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

Skills & Certifications

- · 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++, 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, Node.js, Ruby on Rails, Word2Vec

Leadership & Involvement

- · Future Problem Solving Club President   May 2019-June 2022
- · Captain National Economics Challenge,   January 2022-July 2022
- · National Chinese Honor Society President   May 2020-June 2022
- · Aga Khan Camp Mosaic Counselor   July 2020