Rishabh Shah

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Education

University of Texas at Austin, Austin, TX   **2018 - 2022**
- B.S. in Mechanical Engineering, Certificate in Computer Science
- Relevant Coursework: Databases, Data Analytics, Machine Learning, iOS Mobile Computing, Web Development, Data Visualizations, Data Structures, Algorithms, Linear Algebra, Differential Equations, Numerical Methods (MATLAB)

Engineering

Roku – Software Engineer – Austin, Texas   **August 2022 – Present**
Technologies Used: Python, TestRail, Jenkins, Docker, GitLab, TeamCity, Jira
- Created automated firmware validation workflow for third-party TVs, cutting 32 hours of monthly manual QA testing
- Reduced third-party automation failures by 65% by adding and integrating an update client
- Built Dockerized interface to assist engineers in connecting to TVs under test and executing unit OS tests 56% faster

HubSpot – Software Engineer Intern – Cambridge, Massachusetts   **August 2021 – December 2021**
Technologies Used: Java, React.js, Redux, Maven, Blazar, GitHub
- Re-designed cookie banner to meet international cookie consent laws and boost monitoring capabilities
- Trained machine learning model to categorize and filter cookies, boosting client visibility
- Outlined long-term delivery priorities with product engineers based on beta-release client meetings

Roku – Software Engineer Intern – Austin, Texas   **June 2021 – August 2021**
Technologies Used: Python, TestRail, Jira, Perforce, MATLAB
- Wrote client to execute 2-hour manual workflow testing of HDMI signal reception
- Bundled scraping application and TestRail API to validate expected test results
- Devised data analysis tool to draw causalities between customer satisfaction data and design specifications, flagging components involved in disproportionate production issues

Real Estate

Airbnb Co-owner – Panama City Beach, Florida   **December 2022 – March 2023**
- Co-purchased and renovated 5-bedroom, single-family home into vacation rental, grossing $150,000 annually
- Integrated dynamic pricing and property management software to scale operations and onboarded on-ground team to conduct routine maintenance operations

Projects

Airbnb AI Quick-Setup Kit   **July 2022 – December 2022**
Technologies Used: NLTK, OpenCV, Python, SQLAlchemy, React.js, Material-UI, Node.js, Davinci-003
- Built AI-driven platform to build unique, optimized listing descriptions and integrated computer vision to evaluate images for quality and brightness
- Created one-stop module where hosts can instantly search and build their ground team (housekeepers, pool cleaners, pest control, etc.) based on Google and Yelp reviews

Sponsio, Online Waging Platform   **September 2022 – May 2022**
Technologies Used: Python, React.js, Material-UI, Redux, Figma, Flask, Git
- Developed platform for users to make custom predictive wagers on sports, politics, and entertainment
- Utilized authentication server and Stripe API to handle active user accounts and securely handle transactions

LinkD, Digital Networking Card   **December 2021 – Present**
Technologies Used: Xcode, SwiftUI, Firebase, Objective-C, AppKit, UIKit
- Built iOS application to allow users to generate custom digital cards with social and professional profiles
- Developed and created aesthetic workflow on Xcode Storyboard and integrated Firebase for user authentication