AMAN ALI KHAN

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EDUCATION

University of California, Berkeley   *Aug 2013 - Dec 2017*
B.S. Mechanical Engineering   Certificate in Entrepreneurship

SKILLS

- Proficient at managing technical projects with tight deadlines and budget constraints to deliver results.
- Professional emphasis on product management, AI/ML, CPG manufacturing, mechatronics and energy.

Programming Languages and Frameworks: Python, SQL, Git, HTML5, Siemens NX, Solidworks, AutoCAD, Matlab, COMSOL, ANSYS Maxwell

EXPERIENCE

Technical Product Manager, Cruise   *Nov 2019 - present*
- Define strategic KPI framework to identify gaps across testing, and roadmap innovative, differentiated initiatives to improve developer workflow efficiency and effectiveness by 50% in 1 quarter.
- Drive broad consensus across Cruise AI with senior executives & cross functional stakeholders in engineering, data science, and design to develop market-leading autonomous software evaluation strategy and repeatable testing workflows across 8 Perception subsystems.
- Identify, negotiate and prioritize resources to launch 3 production products within 1 quarter, including on road metric dashboard for anomaly detection, cutting down latency time from event to action by 66%.

Software Systems Test Engineer, Cruise   *Nov 2018 - Nov 2019*
- Spearheaded software test plans for Perception, specifically Lidar, Radar and sensor fusion systems.
- Defined requirements and metrics as the product expert for testing to evaluate complex feature performance, and programmed tools to perform impact analysis.

Mechanical Engineer, Zipline   *Jan 2018 - May 2018*
- Deployment of startup drone delivery platform for blood and medical supplies across Africa.
- Improved safety critical product consistency by 3x after identifying hazardous quality and low yield of carbon fiber "carriage", by developing build schedule, SOP, end-of-line test, and vendor qualification.
- Increased operator safety and in-field reliability by designing end-of-line tests for electric launcher.

Product Design Engineer Intern, Apple   *Jan 2017 - Aug 2017*
- Developed wireless charging for iPhone, Watch and iOS accessories on the Interconnect team.
- Coordinated remotely with suppliers to push dimensional tolerances, perform failure analysis and improve manufacturing processes.
- Collaborated with Electrical Engineering and Manufacturing teams to simulate and develop proof of concepts and test prototypes.

Product Engineer and Strategy Lead, Packd   *Jun 2015 - Dec 2016*
- Reduced campus over-crowding by providing real time occupation estimates via hardware solution.
- Identified and executed on product use cases, including partnership with Shanghai Tower, development of retail analytics and CMS platform, and numerous deployments across the Berkeley library system.
- Developed business strategy and production projections to explore feasibility of manufacturing at scale.

INTERESTS

Passionate about AI/ML technologies, woodworking, skiing, cycling, climbing, backpacking, cooking