

AKSHAY PATEL

(512) 787-2149 • akshaypatel_@berkeley.edu • <https://www.linkedin.com/in/akshay-patel/> • www.akshay-patel.com

EDUCATION & COURSEWORK

UC Berkeley - Management, Entrepreneurship, & Technology Program	Expected May 2023
Dual Degree: B.S. Electrical Engineering, Computer Science/ B.S. Business	
Related Coursework: Multivariable Calc, Structure & Interpretation of Computer Programs, 3-D Modeling for Design, Entrepreneurial Leadership, Data Structures, Designing Information Devices & Systems, Discrete Math & Probability Theory	
Westlake Highschool - Austin, Texas - Vice President of Westlake HS DECA	2015-2019

RELATED EXPERIENCE

1910 Genetics , Cambridge, Massachusetts	June 2020- Current
<i>1910 Genetics is a startup focused on AI-driven small molecule and protein design.</i>	
Machine Learning Infrastructure Engineering Intern	
<ul style="list-style-type: none">Created architecture overviews for ML pipelines, conglomerating reusable components (data base, data transformation, data validation, model training, model evaluation, and serving infrastructure) for the machine learning platform Noelle.Created intranet using ReactJS/HTML/CSS for documented architecture/product demo for LBDD/SBDD ML models and researched hyperparameter tuning methods employed for the hit-optimization generative neural network at 1910.	
Los Angeles County Department of Public Health , San Francisco, California	April. 2020 – May 2020
Data Analyst	
<ul style="list-style-type: none">Documented procedures and processed raw data to create an interactive tableau dashboard for a research paper.Performed statistical analyses in RStudio to determine the density of cell towers in proximity to schools & hospitals.Utilized sqldf, readxl, and lubricate packages, and generated SQL queries for statistical analysis used for publishment.	
Blendoor , San Francisco, California	Jan. 2020 – May 2020
<i>Blendoor is an inclusive recruiting & people analytics software that mitigates unconscious bias.</i>	
Software Developer	
<ul style="list-style-type: none">Automated calculation with creation of web interface for users to update HR data, programed in AngularJS/HTML/CSSCreated a data pipeline for moving company data from Excel to AWS RDS and built a RESTful API in Python & Flask to execute python scripts & SQL queries to communicate with Blendoor's internal database and update scores in real time.	
Ginger Analytics, LoopChat/LoopPay , San Francisco, California	Aug. 2019- Feb. 2020
<i>LoopChat is a Berkeley based fintech focused on convenience, inclusion and efficiency in the financial system.</i>	
Product Management Intern	
<ul style="list-style-type: none">Streamlined business strategies focused on retention through gamifying the platform and increased downloads by 32%.Proposed simplification plan of UI/UX of the app and presented to internal and external stakeholders.	
Trashbots , Austin, Texas	June 2018- Feb. 2020
<i>Trashbots develops low-cost science/engineering kits to aid students build robots with everyday materials around them.</i>	
Curriculum Designer	
<ul style="list-style-type: none">Developed curriculums targeting engineering/programming skills & design/creation of various new pieces in Fusion 360.Analyzed competitor's data sets and conducted market research for products such as Lego Mindset & Dot Robots, etc.	
Our Lunch Lady , Austin, Texas	Aug. 2017- Aug 2018
<i>OLL enables students to purchase food from nearby restaurants and boosts the local economy while improving options.</i>	
Co-Founder	
<ul style="list-style-type: none">Developed financial models for different market penetration predictions and COGS and developed a marketing plan and executed a proof of concept trial for a 2-week period at Westlake High School that generated \$800 in profit.	
Pensa , Austin, Texas	June 2019- Aug 2019
Project Intern	
<ul style="list-style-type: none">Obtained consumer product data from H.E.B to grow database for the autonomous drone perception system & AI tasks.	

LEADERSHIP & ACTIVITIES

Berkeley Venture Capital , Austin, Texas	Jan. 2020 - Current
<i>BVS is an undergraduate community empowered to learn and work with leading venture capitalists and entrepreneurs.</i>	
Venture Capital Intern	
<ul style="list-style-type: none">Underwent six-week venture capital curriculum with an emphasis on due diligence, and investment summary.Collaborating with local venture capital firms/industry leaders to organize events/speaker series throughout campus.	
UT SAE Longhorn Racing Club , Austin, Texas	Aug. 2018 - May 2019
NASA High School Aerospace Scholars , Austin, Texas	Dec. 2017-March 2018

SKILLS

<ul style="list-style-type: none">Software/Programming: Python, Java, RStudio, CAD, SQL, Fusion 360, (C++ In Progress), Matlab, Octave, HTML, CSS, React, Proficient in MS Office, Windows, Github, Website Design Languages: Spanish, Gujarati, Hindi
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