

AKSHAY PATEL

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EDUCATION & COURSEWORK

UC Berkeley - Management, Entrepreneurship, & Technology Program 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	Expected May 2023
Westlake Highschool - Austin, Texas - Vice President of Westlake HS DECA	2015-2019

RELATED EXPERIENCE

1910 Genetics , Cambridge, Massachusetts <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 intranet using ReactJS/HTML/CSS & documented architecture overview for LBDD/SBDD machine learning models and researched hyperparameter tuning methods for the hit-optimization generative neural network at 1910.	June 2020- Current
Los Angeles County Department of Public Health , San Francisco, California 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.	April. 2020 – May 2020
Blendoor , San Francisco, California <i>Blendoor is an inclusive recruiting & people analytics software that mitigates unconscious bias.</i> Software Developer <ul style="list-style-type: none">Analyzed Blendoor data & created python script to automate scoring methodology through developing scoring functionsAutomated calculation with creation of web interface where users can edit qualitative & quantitative scoring variables.Updated Blendoor's algorithm and built a RESTful API in Python and Flask to run backend python scripts to execute SQL queries to communicate with Blendoor's internal database using a MySQL connector.	Jan. 2020 – May 2020
Ginger Analytics, LoopChat/LoopPay , San Francisco, California <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.	Aug. 2019- Feb. 2020
Trashbots , Austin, Texas <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.	June 2018- Feb. 2020
Our Lunch Lady , Austin, Texas <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.	Aug. 2017- Aug 2018
Pensa , Austin, Texas 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.	June 2019- Aug 2019

LEADERSHIP & ACTIVITIES

Berkeley Venture Capital , Austin, Texas <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.	Jan. 2020 - Current
UT SAE Longhorn Racing Club , Austin, Texas	Aug. 2018 - May 2019
NASA High School Aerospace Scholars , Austin, Texas	Dec. 2017-March 2018

SKILLS

- 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