

AKSHAY PATEL

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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

2015-2019

Vice President of Westlake HS DECA

GPA: 110.472/100 (weighted)

RELATED EXPERIENCE

1910 Genetics, Cambridge, Massachusetts

June 2020- Current

1910 Genetics is a startup focused on AI-driven small molecule and protein design.

Machine Learning Infrastructure Engineering Intern

- 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.

Los Angeles County Department of Public Health, San Francisco, California

April. 2020 – May 2020

Data Analyst

- 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 lubridate packages, and generated SQL queries for statistical analysis.

Blendoor, San Francisco, California

Jan. 2020 – May 2020

Blendoor is an inclusive recruiting & people analytics software that mitigates unconscious bias.

Software Developer

- Analyzed Blendoor data & created python script to automate scoring methodology through developing scoring functions
- Automated 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.

Ginger Analytics, LoopChat/LoopPay, San Francisco, California

Aug. 2019- Feb. 2020

LoopChat is a Berkeley based fintech focused on convenience, inclusion and efficiency in the financial system.

Product Management Intern

- 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

Trashbots develops low-cost science/engineering kits to aid students build robots with everyday materials around them.

Curriculum Designer

- 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

OLL enables students to purchase food from nearby restaurants and boosts the local economy while improving options.

Co-Founder

- 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

- 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

BVS is an undergraduate community empowered to learn and work with leading venture capitalists and entrepreneurs.

Venture Capital Intern

- 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

- 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