

# 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

## RELATED EXPERIENCE

### Accelerated, San Francisco, California

Sept 2020- Current

#### Campus Ambassador

- Sourcing early stage start-ups & software platforms for the newsletter authored by partners at CRV investments.

### 1910 Genetics, Cambridge, Massachusetts

June 2020- Aug 2020

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

#### Machine Learning Infrastructure Engineering Intern (Y Combinator W2018)

- 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.
- Developed 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

- 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

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

#### Software Developer

- Automated calculation with creation of web interface for users to update HR data, programed in AngularJS/HTML/CSS
- Created 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

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 & increased downloads by 232%.
- 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

- 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.

### NASA High School Aerospace Scholars, Austin, Texas

Dec. 2017 – Mar 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