

# JACOB HAN

jacob\_han@berkeley.edu • (661) 425-6416 • Berkeley, CA 94720 • <https://www.linkedin.com/in/jacob-han0/>

## EDUCATION

University of California, Berkeley

Expected Grad: 2027

**B.S. Bioengineering, Minor in Data Science**

**Coursework:** Organic Chemistry, General Chemistry/Laboratory, Biomedicine for Engineers, Computer Programming, Multivariable Calculus, Linear Algebra, Differential Equations, Foundations of Data Science, Probability & Stats in Public Health, Mechanics/Waves

## PROFESSIONAL EXPERIENCE

UCSF Catalyst Program

San Francisco, CA

Intern

June 2025 – Present

Arrow Diagnostics Inc.

Remote

**Business Development Intern**

May 2025 – Present

- Led investor sourcing and cold outreach to accelerate seed-stage funding for a diagnostic platform targeting non-fatty liver disease
- Collaborated with scientists, doctors, and executive leadership to refine GTM strategy and ensure alignment between milestones
- Revamped and created company pitch decks by incorporating scientific data and market analysis to strengthen fundraising appeal
- Built a financial model with DCF valuation, revenue and COGS projections, and scenario analysis to support valuation rationale

YouTube

Berkeley, CA

**Marketing Analyst (Contract)**

February 2025 – May 2025

- Conducted market research to assess live streaming trends and audience engagement for YouTube's Coachella marketing strategy
- Distributed surveys and led executive interviews to analyze Gen Z viewership habits and awareness of YouTube's live streaming
- Synthesized key insights from extensive research, surveys, and interviews to develop strategic marketing recommendations aimed at optimizing content distributions, expanding audience reach, and enhancing overall user engagement on large-screen devices
- Developed data-driven marketing strategies, including content creator collaborations and innovative campaign recommendations

Khalid Lab – California Institute for Quantitative Biosciences (QB3)

Berkeley, CA

**Undergraduate Research Assistant**

February 2025 – May 2025

- Assisted in the design and fabrication of carbon nanotube-based biosensors, enhancing the sensitivity for biomarker detection
- Conducted microfluidic chip development, optimizing fluid flow for improved biosensing specificity and overall efficiency
- Collaborated with interdisciplinary teams spanning CAD design, materials science, and electrical engineering to refine devices

## PROJECT WORK

Equity Research Project – Exact Sciences (EXAS)

Berkeley, CA

**Programmer**

May 2025 – Present

- Built a full DCF-based financial model, forecasting revenue, COGS, operating expenses, and FCF using publicly available data
- Conducted deep analysis of 10-K filings to drive assumptions for growth rates, cost structure, and long-term valuation rationale
- Modeled future share dilution, net debt, and WACC to estimate intrinsic value and create a detailed one-page summary and deck

Image Classification Model

Santa Clarita, CA

**Programmer**

October 2024 – February 2025

- Planned, designed, and programmed an image classification machine learning model that can predict lung adenocarcinoma, lung squamous cell carcinoma, and lung benign tissue using 50,000 unique histopathologic images from an online public Kaggle dataset
- Final models provided accuracy in the 90<sup>th</sup> percentile on unseen data, and a 95<sup>th</sup> percentile training accuracy on already seen data

## EXTRACURRICULARS

Berkeley ABA | UC Berkeley's Oldest Business Organization

Berkeley, CA

**Analyst**

February 2025 - Present

- Gained experience in business consulting and creating pitch decks through market research, developing strategies, and insights
- Participated in case competitions, refining problem-solving skills and developing professional-level public speaking skills
- Collaborated with other student-led teams in finance, non-profit organizations, strategy consulting, and business development

Biomedical Engineering Society

Berkeley, CA

**Corporate Committee**

September 2024 – May 2025

- Hosted a networking industry dinner for 60+ Berkeley students and 10+ industry professionals throughout the entire Bay Area
- Connected with biotech on company tours, and learned from engineers, scientists, design teams, and marketing professionals

## SKILLS AND INTERESTS

**Technical:** Excel, Figma, Google Workspace, PowerPoint, Public Speaking, Python (Intermediate), Word | **Languages:** English, Korean

**Interests:** Backpacking, Chicago Bears, Chicago Cubs, Food, *Hospital Playlist*, LA Lakers, Skiing, Stationery, *Suits*, Traveling, Trout Fishing