

RAJ THOTA

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EDUCATION & COURSEWORK

UC Berkeley - Management, Entrepreneurship, & Technology Program

Expected June 2024

Dual Degree: B.S. Electrical Engineering & Computer Science/B.S. Business

GPA: 3.77/4.00

Related Coursework: Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I, Data Structures, Discrete Mathematics and Probability Theory, Linear Algebra, Principles of Business

Washington High School, Fremont, CA

2017 – 2021

- Salutatorian, Academic Top 10, Technology Literacy & Cognitive Science Club Founder, DECA President
- SAT: 1570/1600 (770 Reading/Writing, 800 Math, 20/24 Essay)

EXPERIENCE

EquityLane, Berkeley, CA

Jan. 2022 – Present

Software & Website Development Intern

Berkeley SkyDeck startup – fractional home ownership platform democratizing home equity participation

- Utilizing Python libraries (Pandas, NumPy, Scikit-Learn, Keras) to create housing market models to predict property prices, return on client investments
- Developing web application using Django framework to allow potential clients to sample EquityLane's various products

Aesop Technology, Taipei, Taiwan (Remote)

Sep. 2021 – Dec. 2021

Technology Consultant

Software firm using data analytics and AI recommendation systems to predictively prescribe medications

- Developed data pipeline utilizing SQL and Python to gather and process prescription data for use in model validation
- Engineered product to automate generation of customer reports for use in customer medication prescription process

Hilbert Matching, Berkeley, CA

Jun. 2021 – Aug. 2021

Software Engineer Intern

Berkeley SkyDeck startup – firm using machine learning to match small businesses with overseas manufacturers

- Spearheaded overhaul of company website using MERN tech-stack (MongoDB, Express.js, React.js, Node.js)
- Developed cross-platform smartphone application using Flutter UI framework to create unified platform for clients

LEADERSHIP & COMMUNITY IMPACT

Blue Origin, Kent, WA (Remote)

Oct. 2021 – Dec. 2021

Strategy Consultant

- Evaluated viability of potential commercial space ventures including space-based solar power, silicon mining
- Conducted competitive landscape + internal analysis on company operations; summarized findings in 30-page report presented to Blue Origin employees

The NoProfit Website Services, Fremont, CA

Jan. 2018 – Dec. 2020

Co-Founder, Full-Stack Developer

- Founded non-profit organization offering pro-bono website development services to small local businesses
- Bolstered various businesses' marketing efforts during COVID-19 pandemic through creation of alternate sales channel
- Coded 32 websites to date using MERN tech-stack, streamlined organization budget to reduce costs by ~27%

AWARDS & ACHIEVEMENTS

- Presidential Volunteer Service Award: Gold (Jul. 2019)
- SigmaHacks I Hackathon: 2nd Place (Nov. 2019)
- National Merit Scholarship Finalist (Dec. 2019)
- SRC Hacks II Hackathon: 2nd Place (Jan. 2020)
- American Invitational Mathematics Examination: Qualifier (Feb. 2020)
- DECA International Career Development Conference: 3x Qualifier (May 2020)

ADDITIONAL INFORMATION

- Languages: Spanish (Working proficiency), Telugu (Limited working proficiency), Hindi (Limited proficiency)
- Programming: C, C++, Python, R, Java, Swift, HTML/CSS/JS (Front-end), MongoDB/Express/React/Node (Full-stack)
- Software: Adobe Photoshop, Adobe Lightroom, WordPress
- Career Interests: Quantitative Finance, Software Engineering, Product Management
- Hobbies: Sports (Basketball, Football, Volleyball), Stock Investing, Photography, Travel