

Ari Kapoor

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EDUCATION

Carnegie Mellon University

Expected Graduation: May 2025

Major in Business Administration and Computer Science

Pittsburgh, PA

Relevant Coursework:

Principles of Imperative Computation, Fundamentals of Programming and Computer Science, Concepts of Mathematics, Matrices and Linear Transformations, Probability Theory, Business Computing, Multivariate Analysis, Accounting, Organizational Behavior

GPA: 3.89

WORK EXPERIENCE

SVB Capital Menlo Park, CA Data Science Intern Summer 2020 • Helped build their Projections App, a data science tool that predicts the growth of companies and funds based on past data from SVB for the Investment team - I built multiple REST API's in the python backend, fixed bugs and did Business Model Tagging for all of their data on companies they invested in.

LEADERSHIP

CMU Surfing Club Pittsburgh, PA Founder and President 2021 - Present • Started CMU Surf Club where we hold weekly meetings to discuss surfing and related topics, go on weekend trips to New Jersey to surf • We teach beginners how to surf as well, offering them a new hobby and source of enjoyment outside of the classroom

Higher Angle Aerial Services San Mateo, CA and Pittsburgh, PA Founder Jan 2020 - Present • non-profit aerial photography company • shoot real estate (photos and videos), do imaging for personal properties, and shoot at special events • All profits donated to WHO's COVID-19 SOLIDARITY fund for covid relief • <https://www.higherangle.com/>

Kiva Club San Francisco, CA Co-Founder September 2019 - May 2021 • Worked with two other students on fundraising money through students and then lending to entrepreneurs in underserved communities around the world • lent over \$7.5k, helped 100+ small businesses

PROJECTS

Hack112 Hackathon - Virtual Water Pong (300 lines of code) | *3rd Place* Apr 2022 • Worked with a team of 3 other students to create a virtual water pong game in python that uses OpenCV to detect the movement of a hand holding an object from two angles, calculating the velocity and direction, and trajectory of the shot, and then displaying it all on the 3D pong table - all done in 20 hours • Helped guide the team, split the project into smaller tasks, created the algorithm to calculate velocity and modeled the shot using 3D graphics in vpython - <https://github.com/areskapoor/VirtualPong>

Chess AI (1300 lines of code) | May 2022 • created a chess AI game in Python using the minimax algorithm with 2 different modes: multiplayer and AI mode (3 difficulties of AI) • Created Chess using object-oriented programming and built the AI on top of Chess by implementing the minimax algorithm recursively with alpha-beta pruning and use of hash tables to increase efficiency - Also wrote the evaluation function for each move which involved game state analysis (deriving score from the game state based on many different attributes) - <https://github.com/areskapoor/ChessAI>

Quarterzero Startup Incubator - Founder of Passionfruit Careers | *2nd Place* Summer 2019 • Was one of 10 founders in the Quarterzero program (60 people) and led a team of six in the creation of Passionfruit Careers, an online platform that increases the transparency between what different careers are like through video interviews with people in different fields • Created business models, conducted research on competition, performed customer discovery, created a minimum viable product and sold the product • pitched our company to a panel of 5 investors and won 2nd place

SKILLS & INTERESTS

Skills: Python, C, Javascript, SQL, R, and Microsoft Excel

Interests: Surfing, Skiing, Aerial Photography (featured in multiple Surflife news articles and on their Instagram page), Basketball, Tennis