Vikas Sharma

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EDUCATION

University of California, Berkeley   *August 2017 – May 2021*
B.A. Candidate: Computer Science
Activities/Societies: Berkeley Model United Nations, Berkeley Zahanat (Dance team), Computer Science Mentors

WORK EXPERIENCE

Juniper Networks | Cloud Services Software Engineering Intern   *May 2019 – August 2019*
- Built and deployed monitoring system for 70+ VMs, routers, Kubernetes clusters, AWS instances, etc.
- Utilized federation to create a master instance and local Prometheus instances for a highly scalable architecture
- Saved team 2k per month in AWS costs by implementing Grok patterns to process authlogs and syslogs
- Configured custom dashboard, and system alerts through slack and email, reducing debugging time by 25%

Jetzy | *Product Management Intern*   *August 2019 – September 2019*
- Developed strategy and roadmap for core features redesign that will improve user experience for 10000+ users
- Led cross functional team of designers and developers to develop mocks utilizing Figma and React-Native
- Drove team of engineers to develop MVP of home screen and test it and validate them using 10-person study

UC Berkeley, Haas School of Business | *Undergraduate Researcher*   *Jan 2019 – May 2019*
- Wrote python scripts to calculate distance between city names based upon name using geolocation API
- Stored and manipulated data in SQL to explore patterns and fluctuations in pricing data and demand over time
- Utilized Jupyter Notebook and Tableau to analyze the relationship between crypto mining and energy prices

Silicon Valley Artificial Intelligence | *Growth and Development*   *Sep 2017 – May 2018*
- Leveraged various growth strategies including email marketing, podcasts, and blog posts to grow network
- Helped to coordinate logistics for P1RCC Collaborative Cancer Genomics hackathon with 200+ in attendance
- Collaborated with UC Berkeley professors and organizations to bring industry professionals for SVAI events

LEADERSHIP AND ACTIVITIES

Computer Science Mentors (CSM) | *CS61B (Data Structures) Mentor*   *Jan 2018 – Present*
- Hold 1-hour weekly sessions and discussions during which I primarily teach data structures and algorithms
- Help prepare students for Computer Science exams through worksheets, exam walkthroughs, and HW parties
- Aided students with course content, taught in Python, Scheme, and SQL, during office hours and lab sections.

Berkeley Model United Nations (BMUN) | *Head-Chair/External Deputy*   *Sep 2017 – Present*
- Chaired 5+ committees, facilitating debate on political, economic, and fiscal policy between 400+ delegates
- Coordinated and registered 2000+ delegates for our 67th conference and 300+ students for fall workshop
- Wrote technical papers on smart city development, endorsed by Nutter Consulting, and financial markets

PROJECTS

Oliver | React-Native
- Utilized Weather API, and geolocation to build app that automizes my daily clothing choices

Amazons Game | Java
- Used game trees and alpha-beta pruning to create an AI player that is efficient and wins in under 10 moves

Berkeley Maps | Java
- Implemented Dijkstra's, A*, and search algorithms to determine shortest paths and routing options

SKILLS AND RELEVANT COURSES

- *Technical Skills:* Java, Python, Git, SQL, HTML/CSS, React-Native, AWS, Kubernetes, ELK, Prometheus
- *Relevant Courses*: Structure and Interpretation of Computer Programs, Blockchain Fundamentals, Calculus, Data Structures and Algorithms, Foundations of Data Science, Discrete Mathematics and Probability