Lovish Mujral

Computer Science and
Business Admin Student

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EDUCATION

University of California, Berkeley / B.A. Computer Science, B.S. Business Administration / 2016 - 2020
GPA: 3.7 **Technical CS GPA:** 3.9
Relevant Coursework: Efficient Algorithms and Intractable Problems, Data Structures, Foundations of Data Science, Structure and Interpretation of Computer Programs, Discrete Math and Probability Theory, Probability and Mathematical Statistics in Data Science, Social Networks, Linear Algebra and Differential Equations, Intro to Economics, Principles of Business

PROFESSIONAL SKILLS

JAVA MEAN NODEJS BACKEND PYTHON POSTGRESQL SQL SCHEME CSS HTML DATA ANALYTICS

WORK EXPERIENCE

- **Software Engineering Intern @ Velos, Inc** / May 2017 - August 2017
  - Full Stack developer for Velos, a company working with clinical research management software
  - Developed Seshat, audit logger that stores clients' data and allows them to view changes by caputring virtual screenshots
  - Self-learned and used HTML, JavaScript, NodeJS, Express, Caminte ORM, PostGreSQL, and MongoDB
  - Increased efficiency of retreiving old data, decreased customer compaints, and enhanced functionality of flagship product
- **Website Director @ Little Tots Family Daycare** / August 2017 - Present
  - Building website for local daycare to improve communication with new clients, showcase the mission of the daycare, and expand the available payment methods
  - Developing website using HTML, CSS, JavaScript, and Bootstrap

PROJECTS

- **Sanalysis**
  - Analyzing data from the Health Care Utilization Project to predict the factors that cause infection post surgery
  - Depicting the data using statistical models and data analysis procedures with languages such as R and Python
  - Creating an iOS application as a visualizational tool using Swift
- **Ballytics**
  - Utilizing NBA Player Movement Data to analyze player tendencies and their performance with various lineups
  - Creating visualizations and predictions using Python and various data science modules
- **BearMaps**
  - With Java and AWS, recreated and deployed Google Maps experience for UC Berkeley
  - Worked with large data sets, quadtrees, tries, shortest path algorithms such as A*, and concepts like rastering
- **Database**
  - Used Java to create a relational database management system using various data structures with a domain specific language
  - Built from ground up using purely Java and extensive knowledge of data structures

EXTRACURRICULARS

Sports Analytics at Berkeley / Business Coordinator, Data Journalist, Project Member / Jan 2017 - Present
- Observed trends, used data science mechanisms, and simulated predictions to back up my opinion as a data journalist
- Organized professional development events, case competitions, and facilitated team bonding events
- Worked with teams to analyze player statistics and conducted research projects revolving around sports

CS61A Course Staff / Academic Intern / Jan 2017 - May 2017
- Helped students in the course, Structure and Interpretation of Computer Programs
- Led lab sections, provided a studying strategies for students, and mastered & expanded my knowledge about Python

Data Science Society / Analytics Committee Member / September 2017 - Present
- Work to spread data science to the rest of the UC Berkeley community
- Worked on projects for companies that reach out to us or for research purposes

AWARDS

Dean's List, UC Berkeley / May 2017
- Recognizes outstanding academic achievement
- GPA in the top 4% of L&S undergraduates (normally about 3.85 – 3.90)

Washington High School Academic Top 10
- One of top ten students from graduating class of 2016
- Weighted GPA: 4.37