Ruta Joshi

Student and Future Entrepreneur at UC Berkeley

Berkeley, CA
rjoshi@berkeley.edu
(408) 505 - 7031
rutajoshi.github.io

Education

B.A. Computer Science (also intended Data Science) *2015 – 2019*
University of California, Berkeley *(GPA: 4.0)*
Google Anita Borg Memorial Scholar

Experience

- **Machine Learning and Distributed Data Intern at Ampool.io** *5/2016-8/2016*
  Wrote modules to provide python and R compatibility with distributed data store. Also wrote a machine learning anomaly detection use case using Spark Streaming, Scala, and Kafka.
- **Paid tutor/reader at UC Berkeley for Data 8: Foundations of Data Science** *1/2016-5/2016*
  Provided small group tutoring, set grading rubrics, and worked with course staff for a class of 600+ students.
- **Marketing and Business Development Intern at Codenvy (codenvy.com)** *6/2015 - 8/2015*
  Led a project to create a market map of containers and how they disrupt DevOps. Worked under CEO Tyler Jewell, learned about market research, collaboration, containers
- **Interned at Iridescent (iridescentlearning.org)** *12/2013 - 7/2013*
  Led a promotions/media effort through video-journalism, taught programming to high school students around the bay area
- **Founder and President of MV Hacks (1st school hackathon)** *7/2014 - 7/2015*
  Organized Monta Vista High School's first (now annual and district-wide) high school hackathon. Practiced leadership, programming, business management, event organization, collaboration, communication, public speaking, teamwork.

Skills

Python, Java, Spark, SQL, data science, marketing, leadership, machine learning.

Research

Dimensionality Reduction, Machine Learning: Clustering and PCA applications to graph models in education, working at Berkeley Center for New Media with Professor Greg Niemeyer, et al. *1/2016-5/2016*
Cleantech Competition International Top 25: research in nitrate reduction and water pollution for clean technologies. Also researched cancerous proliferation in yeast cells. *8/2012 - 7/2015*
Skills Practiced: resource collection, experimentation, process analysis, data analysis, etc.), entrepreneurial analysis of product viability
Papers: Available to download at rutajoshi.github.io

Relevant Coursework

Structure and Interpretation of Computer Programs – CS61A
Foundations of Data Science – DS8 (currently CS8)
Data Structures – CS61B
Discrete Mathematics and Probability – CS70

References available upon request