

Ankit Mathur

4046 Cranford Circle, San Jose, CA 95124 • (408)-679-2702

ankitmathur@berkeley.edu • linkedin.com/in/ankmathur96 • github.com/ankmathur96

EDUCATION

UC BERKELEY - B.S., ELECTRICAL ENGINEERING AND COMPUTER SCIENCE - 2018

Cumulative GPA: 3.6 | TA for EE16A (Designing Information Systems and Devices), HKN Rating: 4.7/5

ML coursework: Convex Optimization, Machine Learning, Probability and Random Processes, Artificial Intelligence, Algorithms, Data Structures

Core EECS coursework: Databases, Computer Architecture, Discrete Mathematics/Probability Theory, Linear Algebra/Differential Equations, Designing Information Devices and Systems, Structure/Interpretation of Computer Programs

BELLARMINE COLLEGE PREPARATORY

GPA: 4.62, SAT: 2400, National Merit Scholar, National AP Scholar, Presidential Scholars Program

EXPERIENCE

RESEARCH ASSISTANT, UC BERKELEY

PRESENT

Working on building a deep-learned model to understand persuasion techniques in human language

SOFTWARE ENGINEERING INTERN, FACEBOOK

SUMMER 2016

- Developed a new product feature from scratch on the Android app for Facebook within the post composer
- Worked with Java/Android at a production level, created notable improvement in core posting metrics

SOFTWARE ENGINEERING INTERN, CITRIX

SUMMER 2015

- Contributed to a new machine-learning based product that automatically detects irregular HTTP traffic patterns and uses the cloud to learn worldwide attack patterns
- Gained expertise in Python/Django and experience developing algorithms for large-scale data analysis

RESEARCH INTERN, STANFORD COMPUTER SCIENCE

2013-2014

Developed a system that generates personalized memory tests from users' email archives to detect early stages of cognitive disorders

- Developed complex sentence parsing algorithms using regular expressions and NLP algorithms
- Worked on algorithms that learned how significant events in users lives are from email datasets

PROJECTS (SEE GITHUB.COM/ANKMATHUR96 FOR COMPLETE LIST)

- Using Markov Chains to Model Traffic and Rank Importance of Infrastructure - developed a probability model for a road network and simulated traffic by iterating over a Markov chain (won first in the EE126 contest)
- Election Sentiment - used a supervised learning model to learn sentiment from tweets and deployed it on AWS to track sentiment for tweets about US election candidates and live update on a webapp
- Automatic Sentence Generator - using alignment-based NLP to learn a language model from a given text

PUBLICATIONS

Personalized Memory Testing for Names using Email Archives - Hangal, Rosen, Mathur, Lam

- Discusses results from testing the system, proving its effectiveness (link to paper on personal website)
- Presented at BrainKDD workshop at KDD 2014 in New York; Submitted to CHI 15

SKILLS

- Strong in Python, Java, Bash/Unix, R, Node.js, Django, HTML/CSS
- Experienced public speaker and presenter