

Ankit Mathur

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EDUCATION

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

Undergraduate TA for EE16A (Designing Information Systems and Devices)

EECS coursework: Probability and Random Processes, Artificial Intelligence, Databases, Algorithms, Computer Architecture, Data Structures, Discrete Mathematics/Probability Theory, Linear Algebra/Differential Equations, Designing Information Devices and Systems, Structure/Interpretation of Computer Programs

BELLARMINE COLLEGE PREPARATORY

GPA: 4.62, 2400 on SAT, National Merit Scholarship Recipient, National AP Scholar, Presidential Scholars Program Nominee

EXPERIENCE

SOFTWARE ENGINEERING INTERN, FACEBOOK SUMMER 2016

SOFTWARE ENGINEERING INTERN, CITRIX SUMMER 2015

- Worked on the Netscaler team, which builds an application delivery controller, on the Cloud Security team
- Contributed to a new machine-learning based product that automatically detects irregular HTTP traffic patterns and uses the cloud to learn worldwide attack patterns

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 natural language processing 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
- 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