

# Ankit Mathur

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## EDUCATION

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

Reader and Academic Intern for EE16A (Designing Information Systems and Devices)

**EECS coursework:** Efficient Algorithms and Intractable Problems, Great Ideas in Computer Architecture, Data Structures, Discrete Mathematics and Probability Theory, Designing Information Systems and Devices, Structure and Interpretation of Computer Programs, Intro to Unix

BELLARMINE COLLEGE PREPARATORY

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

## EXPERIENCE

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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 will automatically detect irregular HTTP traffic patterns and use the cloud to learn from attacks it sees all around the world to make all Netscaler-protected servers secure in real time.

RESEARCH INTERN, STANFORD COMPUTER SCIENCE

2013-2014

Developed a system written in Java that generates personalized memory tests from users' email archives to detect early stages of cognitive disorders like Alzheimers and dementia

- Developed complex sentence parsing algorithms using regular expressions and natural language processing algorithms
- Worked on algorithms to evaluate and rank significant events in users lives using scalable machine learning style algorithms on email archives
- Used HTML/CSS to create a secure and smooth web interface to help users sign up to participate in the study and then actually take a personalized memory test

## PROJECTS

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Built Document Fingerprinting Plagiarism Detector, Automatic Sentence Generator using alignment-based NLP to learn grammars, Twitter sentiment analyzer using NLP, Philanthropic Alarm Clock app in Android

## PUBLICATIONS

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**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

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- Strong in Python, Java, R, Node.js, Django, HTML/CSS
- Leadership experience developed through co-curricular involvement
- Experienced public speaker and presenter