Viraj Mehta

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EDUCATION

STANFORD UNIVERSITY
Prospective B.S. in Mathematics
June 2018 | Stanford, CA
School of Humanities and Sciences
Cum. GPA: 3.9
GRE: 340/340
Will be pursuing a coterminal M.S.
in Computer Science

WESTLAKE HIGH SCHOOL
Grad. May 2014| Austin, Texas
Salutatorian

LINKS

Github:// virajmehta
LinkedIn:// virajrmehta

SOME RELEVANT

COURSEWORK

COMPUTER SCIENCE
Machine Learning
Operating Systems
Computer Organization and Systems
MATHEMATICS
Fundamental Concepts of Analysis
Linear Dynamical Systems
Group and Ring Theory

LEADERSHIP

EXPERIENCE

Resident Assistant of Mirlo at Stanford
Stanford Alexander Hamilton Society |
President
Stanford ASSU Executive Cabinet
Stanford Frosh Council
Student Body President of WHS

MISC.

Will be representing Stanford at the
2017 Jeopardy College Championship!

EXPERIENCE

GOOGLE | Software Engineering Intern
June 2015 - September 2016 | Mountain View, CA
- Designed and built a system that performs distributed and scalable vector arithmetic systems for search ads selection.
- Reduced developer lines of code for complex transforming feature by 10x and improved performance by 20% in complex cases.
- Code used during every Google search!

VISA | Software Engineering Intern
June 2015 - August 2015 | Foster City, CA

STANFORD GRADUATE SCHOOL OF BUSINESS AND CENTER FOR PROFESSIONAL DEVELOPMENT | Course Assistant
March 2015 - May 2016 | Stanford, CA
- Taught the SCPD course on Negotiation, grading assignments and the final project.

CISCO | Intern
June 2014 – Aug 2014 | Austin, TX

RESEARCH

UNIVERSITY OF TEXAS AT AUSTIN DEPARTMENT OF PHOTOBIOLOGY | Research Associate
June 2012 - August 2014 | Austin, TX

- Designed and carried out experiments exploring the chemical role of ATP in stomatal aperture.
- Trained the research team to manage the experiments as my career progressed to a design role.
- Managed the research team to make sure the plants and greenhouse was continuously producing specimens.

PROGRAMMING SKILLS AND PROJECTS

C++• UNIX • Python • C • Java • LaTeX• SQL •Julia
PROJECTS
- Operating System: A basic thread-scheduler, user process system, virtual memory system, and file system extending the Pintos kernel.
- Blackjack Simulator: A monte-carlo style simulator using an algorithm similar to Q-learning to learn the correct strategy for Blackjack.(github)
- Finding your WAYS: A multiclass multilabel text classification system on Stanford courses into graduation requirements using a gated recurrent unit.
- Lending Club Loan Picker: Built a machine-learning model and API that used LDA over the Lending club dataset to achieve 0.8% better returns on P2P loans.

PUBLICATIONS

[1] Cameron Darwin* Faith Jackobs Tyler Perry Katia Hougaard Stanley Roux Greg Clark*, Viraj Mehta*. Effects of chemical inhibitors and apyrase enzyme further document a role for apyrases and extracellular atp in the opening and closing of stomates in arabidopsis. *Plant Signaling and Behavior*, 2013.