

# Viraj Mehta

thebigmehtaphor@gmail.com | 512.963.1439 | virajm@stanford.edu

## EDUCATION

### STANFORD UNIVERSITY

Prospective B.S. in Mathematics

June 2018 | Stanford, CA

School of Humanities and Sciences

Cum. GPA: 3.94

Major GPA: 4.1

Will be pursuing a coterminal M.S.  
in Computer Science

### WESTLAKE HIGH SCHOOL

Grad. May 2014 | Austin, Texas

Salutatorian

## LINKS

Github:// [virajmehta](#)

LinkedIn:// [virajmehta](#)

## RELEVANT

## COURSEWORK

### COMPUTER SCIENCE

Principles of Computer Systems

Computer Organization and Systems

Programming Abstractions

Mathematical Foundations of

Computing

### MATHEMATICS

Fundamental Concepts of Analysis

Linear Dynamical Systems

Ordinary Differential Equations

Integral Calculus of Several Variables

Linear Algebra and Differential Calculus  
of Several Variables

## LEADERSHIP

## EXPERIENCE

Stanford Alexander Hamilton Society |  
President

Stanford ASSU Executive Cabinet

Stanford Frosh Council

Student Body President of WHS

## EXPERIENCE

### VISA | Software Engineering Intern

June 2015 - August 2015 | Foster City, CA

- Featured in the VISA Intern Showcase
- Worked on Agile team to test and develop code for VISA's real-time messaging platform.
- Wrote scripts to automate development process for RTM and ICE layers.
- Worked with Java codebase and SQL database to improve statement credit features.

### STANFORD GRADUATE SCHOOL OF BUSINESS AND CENTER FOR PROFESSIONAL DEVELOPMENT | Course Assistant

March 2015 - Present | Stanford, CA

- Taught the SCPD course on Negotiation, grading assignments and the final project.

### CISCO | Intern

June 2014 - Aug 2014 | Austin, TX

- Worked on developing a platform-agnostic interface for the Remote Expert Management platform and service.
- Using Ember.JS, rebuilt the service in a manner that allowed it to be developed much more easily in the future.

## 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

Java • UNIX • Python • C • C++ •  $\text{\LaTeX}$  • SQL

### PROJECTS

- Blackjack Simulator: A monte-carlo style simulator using an algorithm similar to Q-learning to learn the correct strategy for Blackjack.(github)
- hasItDropped: A reddit trawler that searches for a link to Frank Ocean's upcoming album and texts an address book when it is found.(github)
- Heap Allocator: The classic CS107 Project, we achieved scores of 76% utilization and 98% throughput on a working heap allocator in C. (not allowed to put on github)

## 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.