

Rachit Kataria

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EDUCATION

University of Southern California – Los Angeles, CA

(Expected) May 2019

B.S., Computer Science

Lynbrook High School – San Jose, CA

June 2015

Valedictorian – GPA: Unweighted 4.0 SAT: 2300

West Valley College – Saratoga, CA

Dec. 2014

Multivariable Calculus – GPA: 4.0

PROJECTS AND RESEARCH

Sonder – “Tap into the World Around You”

Oct. 2015

- Implemented the front end (pin confirmation and profile pages) of a social media platform which crowdsources anonymous compliments for its users resulting in a social sphere of positivity
- Developed the user interface programmatically and with storyboards in Objective-C for iOS

DARMS: Dynamic Aviation Risk Management System

Sept. 2015 – Present

- Implementing input game theory algorithms (designed by the TeamCore Research Group) in NetLogo and Java for a large-scale, robust 3D simulation of current TSA DARMS airport protection measures

“The Maximization of CO₂ Intake through Phytochrome Genetic Overexpression, Chemical Enhancement, and Fungal Alteration on Red Mangroves”

Dec. 2012 – Mar. 2014

- Developed a statistical framework and diagnostic toolset in Java to explore possible relationships between different test factors that affect the carbon-dioxide intake of Red Mangrove trees

ORGANIZATIONS

Spark SC - Premiere student-led entrepreneurship initiative at USC

2015

- USC Hackers, Dev, and TechLA Board Member | Hack “Knights” Program Lead | TechLA Outreach Lead

Lynbrook Neuroscience Club

2011 - 2015

- President (2014-15) | Secretary (2013-14)

Lynbrook STEM Research Program

2013 - 2015

- Student Leader (2014-15) | Teacher Assistant (2013-14)

AWARDS AND ACHIEVEMENTS

USC Trustee Scholar (Full Tuition) Recipient

2015

- Top 1% of all entering freshmen

USC Viterbi Undergraduate Merit Research Fellow

2015

- Top 5% of all Viterbi students demonstrating outstanding leadership potential and academic excellence

USC W.V.T Rusch Undergraduate Engineering Honors Program Selectee

2015

National Merit Scholar Finalist

2015

AP Scholar with Distinction

2015

Synopsys Silicon Valley Regional Science Fair - First place, Environmental Sciences division

2014

California State Science Fair - Honorable mention, Environmental Sciences division

2013

California State Summer School for Math and Science, UC Irvine - Leadership Award

2013

SKILLS

Programming Languages: C++, Java, Python, HTML, CSS, NetLogo

Tools: Github, Visual Studio