

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
<ul style="list-style-type: none">Implemented the front-end UI of a social media platform which crowdsources anonymous compliments from users creating a sphere of positivity using <u>Objective-C</u> for <u>iOS</u>	
DARMS: Dynamic Aviation Risk Management System (Teamcore Research Group)	Sept. 2015 – Present
<ul style="list-style-type: none">Applying input game theory algorithms in <u>NetLogo</u> and <u>Java</u> for a large-scale, robust 3D simulation of current TSA DARMS airport protection measures	
“The Maximization of CO ₂ Intake through Phytochrome Genetic Overexpression, Chemical Enhancement, and Fungal Alteration on Red Mangroves”	Dec. 2012 – Mar. 2014
<ul style="list-style-type: none">Developed a statistical framework and diagnostic toolset in <u>Java</u> 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
<ul style="list-style-type: none">USC Hackers, Dev, and TechLA Board Member Hack “Knights” Program Lead TechLA Outreach Lead	
USC Association of Computing Machinery	2015
USC Trojan Scholar Society	2015
Lynbrook Neuroscience Club	2011 - 2015
<ul style="list-style-type: none">President (2014-15) Secretary (2013-14)	
Lynbrook STEM Research Program	2013 - 2015
<ul style="list-style-type: none">Student Leader (2014-15) Teacher Assistant (2013-14)	

AWARDS AND ACHIEVEMENT

USC Trustee Scholar (Full Tuition) Recipient	2015
<ul style="list-style-type: none">Top 1% of all entering freshmen	
USC Viterbi Undergraduate Merit Research Fellow	2015
<ul style="list-style-type: none">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
Berkeley Bio-Engineering High School Competition – First Place, Best Research	2014
Synopsys Silicon Valley Regional Science Fair – First place	2013, 2014
California State Science Fair – Honorable mention	2013
California State Summer School for Math and Science, UC Irvine – Leadership Award	2013

SKILLS

Programming Languages: C/C++, Java, Python, HTML, CSS, NetLogo
Tools: Github, Visual Studio