Rachit Kataria

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EDUCATION

University of Southern California – Los Angeles, CA (Expected) May 2019
BS., Computer Science
Lynbrook High School – San Jose, CA June 2015
Valedictorian – GPA: Unweighted 4.0 ACT: 35
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 CO_2 Intake through Phytochrome Genetic Overexpression, Dec. 2012 – Mar. 2014
Chemical Enhancement, and Fungal Alteration on Red Mangroves"
- 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

RELEVANT COURSEWORK

Java Programming	AP Computer Science	Intro. to C++ Programming	Intro. to Embedded Systems
Multivariable Calculus	AP Physics C: Mechanics	Interactive Programming in Python	STEM Research