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

PRJOECTS AND RESEARCH

Sonder – "Tap into the World Around You"   Oct. 2015
- Implemented the front-end UI of a social media platform which crowdsources anonymous compliments from users creating a sphere of positivity using Objective-C for iOS

DARMS: Dynamic Aviation Risk Management System (Teamcore Research Group)   Sept. 2015 – Present
- Implementing input game theory algorithms 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

USC Association of Computing Machinery   2015
USC Trojan Scholar Society   2015
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 ACHIEVEMENT

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
Berkeley Bio-Engineering High School Competition – First Place, Best Research   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