Rachit Kataria

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EDUCATION

University of Southern California	May 2019

BS., Computer Science

Lynbrook High School	June 2015

Valedictorian – GPA: Unweighted 4.0 ACT: 35

West Valley College	Dec. 2014

Multivariable Calculus – GPA: 4.0

RESEARCH AND PROJECTS

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
- Programmed in Objective-C utilizing iOS development software such as Xcode

DARMS: Dynamic Aviation Risk Management System	Sept. 2015 – Present

- Programmed a large-scale, robust 3D simulation of current DARMS TSA airport protection measures in NetLogo and Java, input game theory algorithms developed under Professor Milind Tambe

"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 discover new 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)

COSMOS UC Irvine - Biomedical Sciences Cluster	2013

SKILLS

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

AWARDS AND ACHIEVEMENTS

USC Trustee Scholar (Full Tuition) Recipient	2015
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
COSMOS UC Irvine Biomedical Sciences Cluster - Leadership Award	2013