Rachit Kataria

rachitkataria.me • rachitka@usc.edu • (408) 218-1005

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 ACT: 35 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 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
- Applying 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 plants

ORGANIZATIONS

Spark SC - Premiere student-led entrepreneurship initiative at USC 2015
- USC Hackers, Development, and TechLA Committee 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 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 2015
AP Scholar with Distinction 2015
UC 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