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

PROJECTS AND RESEARCH

Quark – An Interactive Way to Distort Audio and Video   Nov. 2015
- Created a multi-player Apple TV app, where each player is able a distort video with different iPhone gestures, players can also play different instruments by scanning corresponding QR Codes
- Worked with the Core Image framework to create versatile image filters for videos, applied by iterating through video frames using Swift for OS X

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 Unity and Java for a large-scale, robust 3D simulation of current TSA DARMS airport protection measures

AWARDS AND ACHIEVEMENTS

HackSC Best First Time Hackathon Hack: Quark   2015
- Apple: Best iOS or OS X App
- Disney: Best Use of Visual Media

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

ORGANIZATIONS

Spark SC - Premiere student-led entrepreneurship initiative at USC   2015
- Hack "Knights" Program Lead, TechLA Outreach Lead, Development Committee Board Member

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)

SKILLS

Programming Languages: C/C++, Java, Python, Objective-C, Swift, HTML, CSS, Unity
Operating Systems: iOS, OS X, Windows
Tools: Xcode, Eclipse IDE, Github, Visual Studio Code