rachit **kataria**

software engineering intern at apple

✉ rachitka@usc.edu 🌐 rachitkataria.me 📞 408-218-1005 in rachitkataria 🗘 RachitKataria

✚ employment

Apple   Cupertino, CA
Software Engineering Intern   May 2016 to Current
iOS Apps and Frameworks Organization

✚ projects

WatchBand – A Real Time Musical Immersion (Stanford TreeHacks, Feb. 2016)
- Created a WatchOS application with which users can strum and drum air-instruments to the beat of their favorite tunes
- Leveraged WatchKit and CoreMotion Swift frameworks to detect motion by measuring real-time accelerometer data of the Apple Watch and Siri Remote

Quark – Interactive Video Manipulation and Audio Playback Control (USC HackSC, Nov. 2015)
- Created a multiplayer Apple TV application where each player is able to manipulate video in real time with different iPhone gestures. App also allows for control of audio stream playback by scanning the corresponding QR codes
- Used the Core Image framework and Swift to create versatile image filters which were applied to individual video frames

Sonder – Tap into the World Around You (UCSD SD Hacks, 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

DARMS: Dynamic Aviation Risk Management System (Teamcore Research Group)
- Applied input game theory algorithms in Unity and Java to create a large-scale, robust 3D simulation of current TSA DARMS airport protection measures

✚ activities

Spark SC – The premier student-led entrepreneurship initiative at USC   Aug 2015 to Current
Startup Career Fair Lead
- Led a team of five students in organizing, hosting, and facilitating a campus-wide career fair with some of LA's top startups
- Raised over $6,000 for Spark SC's future endeavors

Hack "Knights" Program Lead
- Organized a "Hack Knight" mentorship program for our biweekly Hack Nights: an inclusive space for all computer science students to code, mingle, and develop amazing projects

Safari Bay Trip Lead
- Spearheaded a Spark SC trip to Bay Area's top tech companies in order to get a better insight into the culture and current advancements in the industry
- Organized fireside chats with top executives, including Twitter's VP of Engineering and Sony Playstation's Director of VR

USC Association of Computing Machinery   Aug 2015 to Current
Attended various industry, academic, and social events over the course of the semester

USC Trojan Scholar Society   Aug 2015 to Current
Attended social, professional, and philanthropic events held for TSS members

✚ volunteering

USC Mission Science · Student Volunteer   Sep 2015 to Dec 2015
Promoted the importance of STEM at local middle schools by guiding and mentoring students through a wide array of experiments and activities in Chemistry, Physics, and Robotics

✚ education

University of Southern California
B.S. Computer Science 2019
GPA: 4.0 / 4.0

Lynbrook High School
2015
Valedictorian – GPA: Unweighted 4.0/4.0

✚ awards

Dean's List Scholar – Viterbi School of Engineering   Jan 2016
Recognizes outstanding students who have achieved a GPA of 3.5 or higher

HackSC: The Premier Hackathon at USC – Project Quark   Nov 2015
"Best iOS or OS X App" awarded by Apple
"Best Use of Visual Media" awarded by Disney
"Best First Time Hackathon Hack" awarded by HackSC

USC Trustee Scholar (Full Tuition Scholarship Recipient)   Jun 2015
Top 1% of all incoming Freshmen

USC Viterbi Undergraduate Merit Research Fellow   Jun 2015
Top 40 of all incoming Viterbi Engineers

USC W.V.T Rusch Undergraduate Engineering Honors Program Selectee   Jun 2015
Awarded to students in the top 10% of their respective incoming class and provides enriching academic and social opportunities

National Merit Scholar   Jun 2015
Awarded by the National Merit Scholarship Corporation to 8,000 exceptional high school students out of over 1.5 million applicants nationwide

AP Scholar with Distinction   May 2015
Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams

✚ skills

PROGRAMMING LANGUAGES	OPERATING SYSTEMS	TOOLS
Swift	iOS	Xcode
Objective-C	macOS	Eclipse IDE
C / C++	Windows	Github
Java		Visual Studio Code
Python		
HTML		
CSS		