rachit kataria

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work experience

Facebook - *Software Engineer*   01/2020 – Present
- Working on bringing the world closer together

Blend Labs - *Software Engineering Intern*   05/2019 – 08/2019
- Migrated core lending configurations from Mongo to Postgres as part of a larger effort to move towards micro-services, leveraged techniques such as dual reading / writing and gatekeepers to achieve zero-downtime
- Rearchitected our internal Postgres Typescript client into a better encapsulated, performant API wrapper with eager and lazy cache functionality
- Refactored several critical public API endpoints for our annual v3 update

Facebook - *Software Engineering Intern*   09/2018 – 11/2018
- Worked on Origami Studio for Mac at Facebook's New York headquarters
- Helped redesign the asset creation, manipulation, and prototyping flow used by hundreds of Facebook designers and thousands of external users

Shape Security - *Software Engineering Intern | Kleiner Perkins Fellow*   05/2018 – 08/2018
- Worked on machine learning and AI applications for cybersecurity
- Implemented novel time-series classification models to analyze mobile telemetry data
- Presented research findings directly to CEO and CTO and received stellar feedback

Facebook - *Software Engineering Intern*   05/2017 – 08/2017
- Spearheaded development of new iOS Facebook Text Stories and added client-side stories rendering for crisper quality
- Launched friend and page tagging on Facebook Stories, making the product more interactive and dynamic
- Implemented internal tool to automate QA efforts and improved testing flow to speed up cross-functional development

Apple - *Software Engineering Intern*   05/2016 – 08/2016
- Independently designed and implemented a full-stack iOS sample code app for Apple's Developer portal to showcase existing and new features in CloudKit's APIs such as iCloud Sharing for iOS 10
- During the development process, I discovered and reported many showstopper bugs in various core modules across Apple's software stack and helped to refine CloudKit APIs which were publicly released in iOS 10

projects

Stronger – Helping Opiate Addicts in Their Moments of Crisis (LA Hacks)   04/2018
- Using Swift 4 and Google Cloud's Vision API, I implemented the speech-to-text recognition and cognitive behavioral therapy features of an iOS app that helps addicts in the moment of relapse

Claire Bot – Impacting Homeless Youth through Artificial Intelligence (USC TrojanHacks)   03/2017
- Using API.AI's natural language processing functionality with the Facebook Messenger platform, I created a chatbot that provides resources for homeless youth on the go

Quark – Interactive Video Manipulation and Audio Playback Control (USC HackSC)   11/2015
- Using Swift Core Image and AVKit, I implemented video and image filtering for a multiplayer Apple TV app which allows for real-time AV manipulation using iPhone touch gestures and QR code recognition

leadership

HackSC – USC's Premier Hackathon   08/2016 – 05/2018
- Director and Head of Logistics

Spark SC – USC's Premier Student-led Entrepreneurship Initiative   08/2015 – Present
- USC Founders Member (Jan. 2018 – May 2018)
- Startup Career Fair Advisor (Aug. 2017 – Dec. 2017)
- USC Hackers Lead (Aug. 2016 – May 2017)
- Startup Career Fair Lead (Jan. 2016 – May 2016)
- Safari Bay Trip Lead (Jan. 2016 – May 2016)
- Hack "Knights" Program Lead (Aug. 2015 – Dec. 2015)

education

University of Southern California, Viterbi School of Engineering
B.S. / M.S. Computer Science 2019
Trustee Scholar, Summa Cum Laude GPA: 3.94 / 4.00

Lynbrook High School
High School Diploma 2015
Valedictorian, GPA: 4.00 / 4.00

awards

Kleiner Perkins Engineering Fellow   05/2018
Top 2% of 3,000 engineering applicants nationwide selected to join a KPCB portfolio startup and receive mentorship from industry luminaries

LA Hacks – Stronger   04/2018
Placed 2nd at the KEEN Innovation & Pitch Competition and awarded $800

TrojanHacks – Claire Bot   03/2017
Placed in the Top 3 out of all hacks presented at ACM's TrojanHacks 2.0

Apple App Store Marketing Challenge   08/2016
Pitched an innovative product feature to Apple's Senior VP of Worldwide Marketing and placed 2nd

HackSC – Quark   05/2015
"Best iOS or OS X App" – Apple
"Best Use of Visual Media" – Disney
"Best First Time Hackathon Hack" – Hack SC

USC Trustee Scholar   06/2015
Full tuition merit scholarship awarded to the top 1% of incoming freshman

USC Academic Achievement Award   05/2016
A tuition award for students with a 3.75+ GPA to pursue multiple degree objectives

Dean's List Scholar   12/2015
Every semester since Fall 2015

USC Viterbi Undergraduate Merit Research Fellow   06/2015
Research grant of $2500 / year awarded to the top 40 incoming Viterbi engineers

USC W.V.T Rusch Undergraduate Engineering Honors Program   06/2015
Top 10% of incoming freshman engineers

National Merit Scholar   06/2015
Awarded by NMSC to < 1% of 1.5M applicants

skills

Programming Languages: C/C++, Python, Swift, Objective-C++, Java, HTML / CSS
Operating Systems: iOS, macOS, Windows
Tools: Xcode, PyCharm, GitHub, Eclipse IDE, Visual Studio Code