

# rachit kataria

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## work experience

### Facebook – Software Engineer 01/2020 – Present

- Working on building Facebook Shops, a new e-commerce surface that helps businesses to set up a free digital storefront across Facebook's family of apps.
- Launched multiple product-tagging features that increased our core product engagement metric by 160%.

### Blend Labs – Software Engineering Intern 05/2019 – 08/2019

- Migrated core configurations from Mongo to Postgres as part of a larger push 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 to 150M+ mobile users
- 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

### Spark SC – USC's Premier Student-led Entrepreneurship Initiative

- USC Hackers Advisor (Jan. 2019 – May 2019)
- 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)

### HackSC – USC's Premier Hackathon

- Director and Head of Logistics

## 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

### USC Viterbi – Computer Science Outstanding Student Award 05/2020

Top 10 graduating CSCI students distinguished for their scholarship, research, and service

### Dean's List Scholar 12/2019

Every semester of college

### 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

### 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, Objective-C++, Swift, Typescript, Java, HTML / CSS

**Operating Systems:** iOS, macOS, Windows

**Tools:** Xcode, PyCharm, VS Code, Mercurial, GitHub, Eclipse