

# Aniruddh Bharadwaj

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## EDUCATION

<b>University of Southern California – Los Angeles, CA</b>	May 2019
B.S. in Computer Science • Viterbi School of Engineering	
Trustee Scholarship • Full Tuition Academic Merit-Scholarship, Top 1% of all Entering Freshmen	
Viterbi Undergraduate Fellow • Merit Research, Top 3% of all Viterbi Engineers	
W.V.T Rusch Engineering Honor • Honors Program, Top 5% of all Viterbi Engineers	
Relevant Coursework • Introduction to Computing, Introduction to Programming, Calculus II	
<b>Cupertino High School – Cupertino, CA</b>	June 2015
High School Diploma • Top 3% of Class, 3.96 GPA, 2330 SAT	

## PROJECTS AND RESEARCH

<b>Reco – Categorical, Interest-Based Video Recommendations for YouTube Users on iOS</b>	Present
Serves interest-based video recommendations using OAuth2 fetching to YouTube users on the iOS platform	
Implements UIWebView and YTPlayerView via NIB file to allow iOS control of YouTube playback	
<b>SteamUp – Android Network Application Development to check for Steam Uptime</b>	Present
Provides the real-time status of SteamDB, Steam Store, Steam Community, and Game Coordinators	
Applies mobile application multi-threading and AsyncThread to provide HTTPConnection functionality	
<b>Research Internship – USC Department of Aerospace and Mech. Eng., and Biology</b>	Present
Working to model the growth of metastatic forms of cancer using computational and mathematical algorithms	
Performing directional growth analysis on tumor proliferation using the R and MATLAB programming languages	
<b>Vimeo Staff Video Picks – A New Dimension for serving Vimeo Content on iOS</b>	Dec. 2015
Utilizes Swift for iOS and the Media Layer / AVKit Frameworks to serve staff video-content for Vimeo users on iOS	
Parses video information in JSON format by using OAuth headers and the Vimeo Endpoints API	
<b>TaskManager – A Simple Reminders List with Ruby on Rails</b>	Nov. 2015
Allows users to store, update, and delete their daily reminders by using the Model-View-Controller pattern	
Implements rigorous RSpec and Minitest Rails testing by using the Capybara and Shoulda-Matchers gems	
<b>Counterstrike Strategy Developer, CSDev – Android / XML Development</b>	Oct. 2015
Gives users the ability to create and share gaming strategies for Counterstrike, an online first-person-shooter game	
Implements ShareDialog, SharePhoto, and the SharePhotoContent services through the Facebook SDK for Android	
Provides Canvas and Bitmap manipulations of competitive Counterstrike maps for users to draw on in real-time	
<b>Research Internship – Stanford Department of Radiology</b>	Summer 2014
<b>An Anatomic Gene Expression Atlas of Human Glioblastoma</b> , authored by <i>Achrol and Liu</i>	
Developed a JAVA-application to determine epigenetic factors contributing to tumor proliferation	
Programmed and manipulated datasets with the R programming-language in a Linux environment	

## ORGANIZATIONS

<b>USC Association for Computing Machinery</b>	2015
<b>USC Trojan Scholar Society</b>	2015
<b>Cupertino Science National Honor Society</b> , Executive Vice President	2013 – 2015
<b>Cupertino FBLA</b> , 1 <sup>st</sup> place in CA and 13 <sup>th</sup> place in U.S.	2013 – 2015

## TECHNOLOGIES

**Programming Languages** • JAVA, XML, C++, HTML, CSS, JavaScript, Swift (In Progress), Ruby on Rails (In Progress)  
**Development Environments and Tools** • XCode. Eclipse. Sublime Text. Android Studio. GitHub Desktop