**VATSAL RUSTAGI**

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EDUCATION

University of California, Irvine

Bachelor of Science (B.S.) in Computer Science, December 2018

* Major GPA: 3.943/4.0
* Dean’s Honor List: Winter 2016 – Fall 2017

SKILLS

* **Programming Languages**: Swift, Python, Java, C++.
* **Frontend**: iOS, HTML, CSS, Bootstrap.
* **Backend**: Node.JS, SQL, MongoDB.
* **Working Knowledge**: NumPy, SciKit, AWS, C, C#, JavaScript, Objective-C, Tomcat Servlet, Ajax, jQuery, Heroku.
* **Other Skills**: CocoaPods, Git, Tableau, Matlab, Fluent in English, Hindi.

EXPERIENCE

TourUp**, Software Engineer Intern** | Irvine, CA Jun 2017 – Sep 2017

* Managed the iOS team and developed version 1 of the application for the startup, by creating mockups, writing and integrating the base frameworks, custom wrapper classes that established the foundation for 2 more engineers.
* Coached 1 engineer and collaborated with him on building the frontend and integrating backend and eventually put the application on Apple's Test Flight platform.
* Integrated various APIs (Google Maps, Stripe, Sinch, FBLoginSDK, GoogleLogin etc.) for functionality and pods (WSTagsField, JSSAlertView, SwiftyStarRatingView, Alamofire, SwiftyJSON) for UI and utility purposes in the application.

Donald Bren School, **Data Structures and Analysis of Algorithms Tutor** | Irvine, CA Jan 2016 – Mar 2016, Sep 2017 – Dec 2017

* Tutored about 20 college students to strengthen their data structures and algorithms concepts that resulted in students get better score on their assignments.

Dreams for Schools, **AppJam+ Mentor** | Garden Grove, CA Sep 2016 – Dec 2016, Apr 2017 – Jun 2017

* Guided 5 middle school students to build a STEM based Android application - “Eruption”, that won the fan favorite award in the final showcase among 18 other teams.

ACTIVITIES AND PROJECTS

[**What's in My Fridge [Available on AppStore]**](https://itunes.apple.com/us/app/whats-in-my-fridge/id1302712808?mt=8)Aug 2017 - present

* Developed an iOS app to manage fridge items by using CoreData with more than 350 users on Apple AppStore.

[**Dark Notes - Chrome Extension [Available on Chrome Web Store]**](https://chrome.google.com/webstore/detail/dark-notes/pioaplhedmchphmoghcfbedcpgmdjofb?hl=en-US&gl=US)Sep 2017

* Built a chrome extension that updates the UI of lecture notes to a dark mode by injecting a CSS code and currently has about 25 recurring users.

**Pill ID [UCI's AR Med AppJam 2017]** Nov 2017

* Collaborated with 3 others to develop an app to classify different pills by using Apple's MLKit and ARKit in the two-week medical application development competition and won 2nd place.

**Chale [SDHacks]** Oct 2017

* Developed a chat application using Twilio's programmable chat SDK. The application received a lot of appreciation by the judges, audience and the Twilio sponsor at the Hackthon's showcase.
* Built the backend using Node.JS, Heroku and MongoDB and the frontend in iOS, swift.

**Association for Computing Machinery at UC Irvine** Apr 2017 - present

* Solved various programming problems and improved our understanding of data structures and algorithms. Learned new and more efficient ways to solve the same problem. Sources of problems: HackerRank, Google Code Jam, CodeChef etc.