

Vatsal Rustagi

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Education

 **University of California, Irvine**

 **Bachelor of Science | Major in Computer Science | 2019**

 **3.90 School GPA | 3.55 Overall GPA**

 **Dean's Honor List:** Winter 2016, Spring 2016, Fall 2016.

 **Coursework:** Introduction to Programming (Python), Programming with software libraries (Python), **Intermediate programming (Python)**, Introduction to software engineering, **Boolean Algebra and Logic**, **Discrete Mathematics for Computer Science**, Computational Linear Algebra, Programming in C++ as a second language, Introductory Computer Organization.

 Received an A+ in the bolded courses above.

Experience

 **TourUp – Co-Founder & Developer**

August 2016 – Current

Co-founded a touring-based startup with four others. I work as an iOS developer and a UI/UX designer at the startup. Working with various frameworks and SDKs such as GoogleMaps SDK, Alamofire, SwiftyJSON etc. to develop the app.

 **Dreams for Schools - Mentoring & Teaching**

Sept 2016 – Dec 2016

Mentor at AppJam+, a mentorship program which assigns mentors to middle schools in Orange County to help and guide students in building their own mobile applications through MIT's App Inventor.

 **UC Irvine – Tutoring for ICS 31**


Jan 2016 – March 2016

As a tutor for ICS 31, an introduction to programming course in python, I answered students' questions about the lab assignment they received every week. I worked for 6 hours/week and received an evaluation of 9/10 (with a class average of 8.26/10).


Technology Experience

 **Programming Languages:** C++, C, Python, Java, Swift, iOS App development.


 **Operating Systems:** Windows, MacOS, Linux.


 **Learning:** NoSQL, Django, Google Firebase, Stripe payment API.

 **Databases:** SQL.

 **IDE:** Xcode, Eclipse, Visual Studio, PyCharm, DevC++, MySQL, Sublime Text, Emacs.

Projects

 **Othello/Reversi:** Programmed the game's logic with Python working with different modules, and developed its GUI with Python and Tkinter library tools.

 **BooEdit:** Programmed a text editor, like Vim, which runs in terminal and supports undo and redo commands. The application was programmed with various libraries in C++ programming language.