**Varun Singh**

**varun.1997.singh@gmail.com**

**Skills**

* Full stack developer proficient in HTML, XML, CSS, JS, PHP, SQL/MySQL, C, C++, Java, Python, MATLAB and Lisp
  + Also trained in algorithm analysis, data structures, network administration, system administration, android development, and robotics software
  + Also experienced in employing AJAX and JQuery based solutions
* Training in Adobe imaging software including Photoshop and Illustrator
* Experienced in performing hardware repairs on individual systems as well as computer networks

**Awards/Accomplishments**

* Accepted into University of California’s HACKUCI Hackathon (2017)
* Awarded "Hardest Technical Challenge" at first annual Gunn-hosted Hackathon in partnership with MakeSchools (2015)
* National Merit Scholar, representing the top 10% of the US’ scores on the NMSQT/PSAT (2015)

**Work Experience**

* Member of Dr. Sabee Molloi’s Research Lab in the UCI School of Medicine (2016-present)
  + Responsible for various programming assignments primarily focused on CT scanner image processing and figure rendering
* Sole Webmaster of <http://www.eqschools.com>
  + Responsible for full-stack development and product realization under company founder
* Started the “Varun Singh Educational Open-Source Series” (<http://www.vseoss.org>)
  + VSEOSS is a series of open-source, JS-powered projects designed to help students visualize difficult concepts in order to better understand them
* Member of Gunn Robotics Team (2015-2016)
  + Also managed the Gunn Robotics Team’s 15-computer design lab
* Organized and taught a free course for Gunn students to learn full-stack web development at a professional level (2016)
* Technical lead at Studiokicks Palo Alto (2013-2016)
  + Responsible for general system and network maintenance

**Education**

* Henry M. Gunn High School- Class of 2016 (2012-2016)
  + Advanced placement in: Biology, Computer Science, Chemistry, Physics C, Chinese, Calculus BC, Economics

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**Education (Continued)**

* Stanford University High School Summer College (2015)
* University of California: Irvine- Majoring in Computer Science and Engineering (2016-present)
  + With the intention of double majoring in Neurobiology

*\*\*Transcripts available upon request*

**Hobbies/Misc.**

* Black Belt in Wushu/Kung fu with over 20 national-level Martial Arts Awards
  + Also former instructor for youth, teen, and adult students
* Teacher assistant and student tutor for biology, chemistry, and computer science
* Self-taught in the majority of Computer Science, Calculus, Algebra, and Chinese
* Various side projects and intellectual pursuits
  + Particularly focused on the “P vs NP” Computer Problem, embedded systems, artificial intelligences, calculus, and human psychology

**\*\*\* References available upon request**