

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 Molloy'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.egschools.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**