Varun Jain

Current Address: 4018 Spruce Street, Philadelphia, PA 19104
Permanent Address: 3 Ossener Drive, Perrineville NJ 08535
Tel.: (732)-547-4054   E-mail: javarun@seas.upenn.edu

Education:	**UNIVERSITY OF PENNSYLVANIA – Class of 2019, Engineering**	2015-Present
	• Major: Computer Science and Mathematics; GPA: 3.94/4.00	
	ALLENTOWN HIGH SCHOOL – Class of 2015	2011-2015
	• Class Valedictorian (Earned Highest GPA of entire class)	
	• National AP Scholar (Received Seven 5s on AP Exams)	
	• SAT: 2290, ACT Math & Science: 36, National Merit Commended Scholar	
Employment :	**UNIVERSITY OF PENNSYLVANIA – ENGR 105 (Teaching Assistant)**	2016-Present
	• Taught under Professor C. J. Taylor for course: Introduction to Scientific Computing	
	UNIVERSITY OF PENNSYLVANIA (Sound Engineer)	2015-Present
	• Prepared and managed audio equipment for university sponsored concerts	
	• Learned how to use audio technology such as frequency splitting and compression	
	UNIVERSITY OF PENNSYLVANIA (Research Assistant)	2014
	• Coauthored a paper on the polarization of $LiNO_3$ using quantum computing and physics.	
	• Directed by Professor Andrew Rappe of Graduate Chemistry Department	
Summer Activities:	**COLUMBIA UNIVERSITY: PROGRAM IN MODERN MATHEMATICS** **Columbia University, NY**	2014
	• Highly selective program integrating mathematics, computer science and Mathematica	
	• Explored field of modern math including analytical geometry, chaos and graph theory	
	CARE CARDIOLOGY ASSOCIATES: ELECTRONIC HEALTH SUPPORT **Freehold, NJ**	2013
	• Designed a program and database to scan, format and upload patient charts online as per Obamacare directives after evaluating numerous EHRs	
Extracurricular Activities:	**PENNAPPS (Hardware Organizer and Treasurer)**	2015-Present
	• Organized hardware resources and funds for hackathons with thousands of competitors	
	• Taught software and hardware skills to students during workshops	
	OPTIMATA (Senior Design Project Team Member)	2016-Present
	• One of four freshman selected to participate in a senior design project	
	• Using Python and MySQL, learned about databases and Hadoop to filter through large data sets and exchange-traded funds to construct hedged portfolios	
	WHARTON INVESTMENT & TRADING GROUP	2015-Present
	• Modeled Distributed Cash Flows and learned investing strategies	
Interests & Projects:	**TEDxPENN**	2015
	• Gave a precursor TED talk on the math in Origami: The Japanese Art of Paper Folding	
	• Links: http://rodin.house.upenn.edu/node/15350 https://www.facebook.com/media/set/?set=a.1063753753649529.1073741834.124419904249590&type=3	
	MATHKINZ.COM (Co-Founder/Web Developer/Content Designer)	2007-Present
	• Built a website and designed hundreds of worksheets for students grades K-12 to help students practice and learn new math concepts.	
	• Organized two regional math competitions with prizes and upwards of 300 students.	
Technical Skills:	• Languages: Java, HTML, CSS, PHP, XML, Python, JSON, C++, OCaml, Matlab	
	• Tools: Big Data, MapReduce, Cluster Computing, APIs, Apache, Hadoop	
	• Proficient in Arduino, LaTeX, PowerPoint, Excel, MySQL, MongoDB	
	• Experienced with 3D Modeling (CAD) & Printing, Photoshop, Origami Design	