

# Hersh Patel

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<b>Education</b>	<b>RUTGERS UNIVERSITY</b> <b>Bachelor of Science</b> in Computer Science and Economics, <b>Minor</b> in Mathematics <b>Certification</b> in Quantitative Economics, School of Arts and Sciences <b>Honors Program</b> <b>Coursework:</b> Data Structures, Data Science in R, Computer Architecture, Calculus III Cumulative GPA: <b>3.75/4.00</b> , Major GPA: <b>3.89/4.00</b>	<i>New Brunswick, NJ</i> <i>Sept. 2015 – May 2019</i>
<b>Professional Experience</b>	<b>NBCUniversal</b>   <i>Big Data Analyst Intern</i> <ul style="list-style-type: none"><li>Forecasted Fandango Media's customer transactions and business operations by analyzing KPIs developed with Hive, Spark, and Excel in a series of presentations</li><li>Performed efficiency analysis of the Amazon S3 Cloud to download files to the Hadoop Distributed File System using UNIX and Amazon Web Services</li><li>Utilized Hadoop, Hive, and UNIX to profile and administer transactional and log data from Fandango Media for the Fandango and PwC Consulting Teams</li></ul> <b>Freelance Website &amp; Application Developer</b>   <i>Developer &amp; Designer</i> <ul style="list-style-type: none"><li>Launched websites and mobile applications for local organizations and businesses to enhance their presence in the community and improve product marketability</li><li><i>Projects:</i> Find My Ride (iOS), TED<sup>x</sup>Rutgers (Web), Event Attendance Tracker (iOS), AmpliFire Entertainment (Web), EB Model United Nations (Web), Blackjack (Java)</li></ul> <b>ZK Technology</b>   <i>Technology Intern</i> <ul style="list-style-type: none"><li>Built a shipping rate calculator utilizing JavaScript and information from FedEx, UPS, and DHL to save the company almost \$5,000 from miscalculated shipping costs</li><li>Analyzed and visualized purchasing trends of customers using Microsoft Excel and PowerPoint to provide business intelligence and maximize customer satisfaction</li></ul>	<i>Englewood Cliffs, NJ</i> <i>June 2016 – Aug. 2016</i>  <i>East Brunswick, NJ</i> <i>Sept. 2011 – Present</i>  <i>Piscataway, NJ</i> <i>June 2013 – Aug. 2013</i>
<b>Leadership Activities</b>	<b>TED<sup>x</sup>Rutgers</b>   <i>Vice President of Technology</i> <ul style="list-style-type: none"><li>Developed, designed, and maintained the conference website, using HTML, CSS, JavaScript, and Bootstrap, to handle event logistics, registration, and ticket sales</li><li>Managed all technology related needs, including live feeds, stage lighting, audiovisual systems, and photography, for university wide events</li></ul> <b>IEEE</b>   <i>Machine Learning Team</i> <ul style="list-style-type: none"><li>Interpreted datasets from Kaggle by writing mathematical functions in Python with the use of data analysis libraries such as Anacondas, Pandas, and NumPy</li><li>Discovered stories from datasets by examining decision tree models and permutation tests developed through the Random Forest, rpart, and MASS libraries in R</li></ul> <b>Undergraduate Student Alliance of Computer Scientists</b>   <i>Peer Mentor</i> <ul style="list-style-type: none"><li>Presented a series of tech talks on website development (HTML, CSS, Bootstrap)</li><li>Mentored underclassmen students in classes, projects, and professional development</li><li>Attended various Hackathons (PennApps, HackNY, BigRed//Hacks, HackRU)</li></ul> <b>Delta Sigma Pi – Professional Business Fraternity</b>   <i>Professional Committee</i> <ul style="list-style-type: none"><li>Executed networking sessions with Fortune 500 Companies for over 100 members</li><li>Educated new members about professionalism and relevant business topics such as Networking, Accountability, Communication, Big Data, and Investment Banking</li><li>Pitched ten stocks worth \$100,000 for a 401k retirement fund spanning 30 years</li></ul> <b>BAPS Charities</b>   <i>Regional Core Team Lead</i> <ul style="list-style-type: none"><li>Cultivated a team of 18 members in charge of leading annual regional conventions which host over 3,000 delegates and 300 volunteers</li><li>Completed over 1,000 hours of community service in a period of 4 years</li></ul>	<i>New Brunswick, NJ</i> <i>Dec. 2015 – Present</i>  <i>New Brunswick, NJ</i> <i>Sept. 2015 – Present</i>  <i>New Brunswick, NJ</i> <i>Sept. 2015 – Present</i>  <i>New Brunswick, NJ</i> <i>Feb. 2016 – Present</i>  <i>Edison, NJ</i> <i>Sept. 2011 – Present</i>
<b>Skills &amp; Interests</b>	<b>Programming:</b> <i>proficient</i> Java, C, Python, R, SQL, HTML5, CSS3, UNIX; <i>familiar</i> JavaScript, Swift, IA-32, Stata <b>Other:</b> <i>proficient</i> Hadoop, Hive, Eclipse, Bootstrap, RStudio, Xcode, Brackets, Maple, Microsoft Office Suite, Adobe Photoshop; <i>familiar</i> Spark, Amazon S3 Cloud, Pandas, NumPy, Jupyter Notebook, Adobe Illustrator <b>Languages:</b> <i>native</i> English, Gujarati; <i>conversational</i> Spanish <b>Interests:</b> Traveling, Kickstarter, Technology News, Running, Photography, Scenic Driving, Kite Flying	
<b>Distinctions</b>	1 <sup>st</sup> Place – Global Communications Innovation Project Finalist – Google Case Competition Plenary Speaker – United Nations Headquarters	<i>2016   NBCUniversal MediaTech Program</i> <i>2015   Google Community Leaders Program</i> <i>2015   National Model United Nations</i>