

# HERSH PATEL

50 Mitchell Ave, East Brunswick, NJ 08816 • (732) 853-3885 • patel.hersh@rutgers.edu  
www.hershpatel.com

<b>Education</b>	<b>RUTGERS UNIVERSITY</b> <b>Honors</b> Bachelor of Science in <b>Computer Science</b> and <b>Economics</b> , Minor in <b>Mathematics</b> Certification in Quantitative Economics, Computer Science Honors Program <b>Coursework:</b> Data Structures, Calculus III, Econometrics, Intermediate Micro/Macroeconomics Cumulative GPA: <b>3.74/4.00</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>Collaborated with the PwC Consulting and Fandango Insights teams to profile and administer transactional and log data through the use of Hadoop, Hive, and UNIX</li></ul> <b>ZK Technology</b>   <i>Technology Analyst 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> <b>Freelance Website &amp; Application Developer</b>   <i>Developer and 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><b>Projects:</b> TEDxRutgers (Web), Event Attendance Tracker (iOS), Find My Ride (iOS), AmpliFire Entertainment (Web), EB Model United Nations (Web), Blackjack (Java)</li></ul>	<i>Englewood Cliffs, NJ</i> <i>June 2016 – August 2016</i>  <i>Piscataway, NJ</i> <i>June 2013 – August 2013</i>  <i>East Brunswick, NJ</i> <i>September 2011 – Present</i>
<b>Leadership Activities</b>	<b>TEDxRutgers</b>   <i>Vice President</i>   <i>Technology Director</i> <ul style="list-style-type: none"><li>Coordinated with 15 speakers to plan an annual conference for over 500 students by creating and managing 6 sub-committees to allocate specific responsibilities</li><li>Orchestrated all technology related needs, including website development, live feeds, stage lighting, audiovisual systems, and photography, for university wide events</li></ul> <b>Institute of Electrical and Electronics Engineers</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>Hosted networking sessions with Fortune 500 Companies for over 100 members</li><li>Educated 20 new members about professionalism and relevant business topics such as Networking, Accountability, Consulting, 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>September 2015 – Present</i>  <i>New Brunswick, NJ</i> <i>September 2015 – Present</i>  <i>New Brunswick, NJ</i> <i>September 2015 – Present</i>  <i>New Brunswick, NJ</i> <i>January 2016 – Present</i>  <i>Edison, NJ</i> <i>September 2011 – Present</i>
<b>Distinctions</b>	<b>NBCUniversal Innovation Project</b>   1 <sup>st</sup> Place out of 30 Teams Led a 4 person cross-functional team (design, technology, analytics) in engineering a chat bot <b>Google Case Competition</b>   Top 10 out of 40+ Teams Bridged the digital divide in New Brunswick through big data, student volunteers, and social media	<i>August 2016</i>  <i>November 2015</i>
<b>Skills &amp; Interests</b>	<b>Programming:</b> <i>Proficient</i> Java, C, Python, R, SQL, HTML, CSS, UNIX; <i>Familiar</i> JavaScript, Swift, IA-32, Stata <b>Other:</b> <i>Proficient</i> Hadoop, Hive, Eclipse, Bootstrap; <i>Familiar</i> Spark, Amazon S3, Pandas, NumPy, Jupyter Notebook <b>Communication:</b> <i>Native</i> English, Gujarati; <i>Working Proficiency</i> Spanish <b>Interests:</b> Traveling, Kickstarter, Running, Photography, Scenic Driving, Kite Flying, Volunteering	