

Hersh Patel

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Education	<p>Rutgers University - New Brunswick • May 2019 B.S. in Computer Science and Economics • Minor in Mathematics Cumulative GPA: 3.79/4.00 • Major GPA: 3.90/4.00</p> <p><i>Honors:</i> Certification in Quantitative Economics • Arts & Sciences Honors Program • Dean's List <i>Relevant Coursework:</i> Graduate Artificial Intelligence • Data Analytics in R • Econometrics • Algorithms</p>
Experience	<p>Amazon • Incoming Software Engineering Intern • May 2018 - August 2018 ▸ Doing cool things starting May 30th!</p> <p>Bloomberg • Market Data Summer Analyst • June 2017 - August 2017 ▸ Engineered an autonomous data extraction program in Python with NLTK to parse 150+ page annual reports ▸ Built a web scraper in Python using Beautiful Soup to collect power producer asset data for 8 clients ▸ Remodeled help-desk system to decrease mis-tag rate by 30% after discovering high user dissatisfaction with NumPy</p> <p>NBCUniversal • Data Analytics Intern • June 2016 - August 2016 ▸ Proposed a 40% increase in Fandango's user retention rate after analyzing customer data KPI's made with SQL ▸ Envisioned the integration of NBCU content in iMessage by surveying and evaluating over 1,000 diverse users ▸ Streamlined a manual data retrieval process, in Amazon S3, from 3 hours to 5 minutes</p> <p>Freelance Website Developer • Consultant • September 2014 - Present ▸ Consulted with 12 organizations to improve online presence and product marketability by revamping their websites ▸ Designed digital wireframes and related web materials in Adobe Comp CC to present to clients for feedback</p>
Projects	<p>Smart Cities • Independent Study • January 2018 - Present ▸ Analyzing the real-time interactions and life cycles of cross-domain urban systems under Professor Desheng Zhang</p> <p>Intelligent Facial Recognition Platform • Python • April 2017 ▸ Predicted the age and gender of person (png, jpg) with 70% accuracy, by utilizing a Keras Neural Network</p> <p>NBC Innovation Competition • 1st out of 50+ Teams • August 2016 ▸ Led a cross-functional team of 5 (design, programming, analytics, marketing) to develop a Facebook Messenger bot</p> <p>Find My Ride • 5,000+ Downloads • March 2015 ▸ Developed an iOS Application in Swift that allows users to track where they parked their cars and navigate to them</p>
Leadership	<p>TEDxRutgers • President • Tech Director • December 2015 - Present ▸ Achieved 90% growth (~500 to ~1k members) in 1 year by identifying attendance trends in collected member data ▸ Managed 5 teams (Budgeting, Logistics, Tech, Marketing, Design) and \$25k+ to organize events for 1k+ attendees</p> <p>Institute of Electric and Electronic Engineers (IEEE) • Machine Learning Group • November 2016 - December 2017 ▸ Discovered stories in datasets by analyzing regression models computed with SciPy and Matplotlib in Python ▸ Performed statistical analysis on decision tree models built with Random Forest, rpart, & MASS libraries in R</p> <p>BAPS Charities • Regional Youth Volunteer • September 2011 - Present ▸ Cultivated a team of 18 to lead annual regional conventions, which hosted over 3k+ delegates and 400 volunteers ▸ Mentored 15 youth (ages 10-15) in public speaking, time management, team building, and communication skills</p>
Skills & Interests	<p>Programming: Python • SQL • R • Java • C • HTML • CSS • JavaScript • Swift • Linux • x86 Tools: Hive • Spark • Stata • Hadoop • Git • Amazon S3 • Bloomberg Terminal • Bootstrap • Eclipse</p> <p>Other Activities: PennApps • HackNY • BigRed//Hacks • Delta Sigma Pi - Professional Business Fraternity Interests: Traveling • Running • Kite Flying • Photography • Volunteering • Bhangra & Bollywood Music</p>