Hersh Patel

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Education	**RUTGERS UNIVERSITY**	*New Brunswick, NJ*
	Bachelor of Science in Computer Science and Economics, **Minor** in Mathematics	*Sept. 2015 – May 2019*
	Certification in Quantitative Economics, School of Arts and Sciences **Honors Program**	
	Coursework: Data Structures, Data Science in R, Computer Architecture, Calculus III	
	Major GPA: 3.80/4.00	

Professional Experience

NBCUniversal | *Big Data Development Intern* — *Englewood Cliffs, NJ* — *June 2016 – Aug. 2016*
- Forecasted Fandango Media's customer transactions and business operations by analyzing KPIs developed with Hive, Spark, and Excel in a series of presentations
- Performed efficiency analysis of the Amazon S3 Cloud to download files to the Hadoop Distributed File System using UNIX and Amazon Web Services
- Utilized Hadoop, Hive, and UNIX to profile and administer transactional and log data from Fandango Media for the Fandango and PwC Consulting Teams

Freelance Website & Application Developer | *Developer & Designer* — *East Brunswick, NJ* — *Sept. 2011 – Present*
- Launched websites and mobile applications for local organizations and businesses to enhance their presence in the community and improve product marketability
- *Projects*: Find My Ride (iOS), TED^{x}Rutgers (Web), Event Attendance Tracker (iOS), AmpliFire Entertainment (Web), EB Model United Nations (Web), Blackjack (Java)

ZK Technology | *Technology Intern* — *Piscataway, NJ* — *June 2013 – Aug. 2013*
- 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
- Analyzed and visualized purchasing trends of customers using Microsoft Excel and PowerPoint to provide business intelligence and maximize customer satisfaction

Leadership Activities

TED^{x}Rutgers | *Vice President of Technology* — *New Brunswick, NJ* — *Dec. 2015 – Present*
- Developed, designed, and maintained the conference website, using HTML, CSS, JavaScript, and Bootstrap, to handle event logistics, registration, and ticket sales
- Managed all technology related needs, including live feeds, stage lighting, audiovisual systems, and photography, for university wide events

IEEE | *Machine Learning Team* — *New Brunswick, NJ* — *Sept. 2015 – Present*
- Interpreted datasets from Kaggle by writing mathematical functions in Python with the use of data analysis libraries such as Anacondas, Pandas, and NumPy
- Discovered stories from datasets by examining decision tree models and permutation tests developed through the Random Forest, rpart, and MASS libraries in R

Undergraduate Student Alliance of Computer Scientists | *Peer Mentor* — *New Brunswick, NJ* — *Sept. 2015 – Present*
- Presented a series of tech talks on website development (HTML, CSS, Bootstrap)
- Mentored underclassmen students in classes, projects, and professional development
- Attended various Hackathons (PennApps, HackNY, BigRed//Hacks, HackRU)

Delta Sigma Pi – Professional Business Fraternity | *Professional Committee* — *New Brunswick, NJ* — *Feb. 2016 – Present*
- Executed networking sessions with Fortune 500 Companies for over 100 members
- Educated new members about professionalism and relevant business topics such as Networking, Accountability, Communication, Big Data, and Investment Banking
- Pitched ten stocks worth $100,000 for a 401k retirement fund spanning 30 years

BAPS Charities | *Regional Core Team Lead* — *Edison, NJ* — *Sept. 2011 – Present*
- Cultivated a team of 18 members in charge of leading annual regional conventions which host over 3,000 delegates and 300 volunteers
- Completed over 1,000 hours of community service in a period of 4 years

Skills & Interests

Programming: *proficient* Java, C, Python, R, SQL, HTML5, CSS3, UNIX; *familiar* JavaScript, Swift, IA-32, Stata
Other: *proficient* Hadoop, Hive, Eclipse, Bootstrap, RStudio, Xcode, Brackets, Maple, Microsoft Office Suite, Adobe Photoshop; *familiar* Spark, Amazon S3 Cloud, Pandas, NumPy, Jupyter Notebook, Adobe Illustrator
Languages: *native* English, Gujarati; *conversational* Spanish
Interests: Traveling, Kickstarter, Technology News, Running, Photography, Scenic Driving, Kite Flying

Distinctions

1st Place – Global Communications Innovation Project	*2016	NBCUniversal MediaTech Program*
Finalist – Google Case Competition	*2015	Google Community Leaders Program*
Plenary Speaker – United Nations Headquarters	*2015	National Model Model United Nations*