Kashish Gupta

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EDUCATION

The University of Pennsylvania – GPA: 3.60   *August 2014 – May 2018*
School of Engineering and Applied Sciences – Master of Science in Engineering in Robotics (AI and Computer Vision)
The Wharton School – Bachelor of Science in Economics with Concentrations in Management and Statistics
- Relevant Coursework: Machine Learning, AI, Computer Vision, NLP, Advanced Robotics, Management, Marketing

Gwinnett School of Mathematics, Science, and Technology – GPA: 4.00   *August 2010 – May 2014*
- Test Scores: 35 ACT (36 Math), 790 Math 2 and Physics SAT Subject Tests
- Honors: Georgia's 20 Under 20, Governor's Honors Program in Physics, Rotary Youth Leadership Award

PROFESSIONAL EXERIENCE

Bessemer Venture Partners   **New York, NY**
Venture Capital Analyst   *June 2017 – August 2017*
- Spoke with 4 auto manufacturers and many startups to conduct deep dive on driverless cars industry, built roadmap
- Explored warehouse automation and worker augmentation technologies, developed thesis on future of pick & pack
- Understood technology behind emotionally conscious AI/vision products, assessed market opportunity and demand
- Ran analysis on recapitalization of prospective investment and projected profitability of new business ventures

LYNK   **Central, Hong Kong**
Product Manager Intern   *July 2016 – August 2016*
- Built customer acquisition strategy for startup's Q&A app by interviewing customer segments and testing channels
- Lead creation of Node.js webapp with engineering and business development teams. Specified functionality, usability, and long-term features incorporating Agile methodology. Rendered UI/UX wireframes with user feedback

Mama's Cookin'   **Philadelphia, PA**
CEO and Founder   *September 2015 – December 2016*
- Conceptualized, designed, and built a two-sided marketplace iOS app for students to buy/sell home cooked meals
- Designed app and wrote front-end in Swift, tested customer segments to confirm demand, A/B testing for app's UI and UX, sold 24 meals over the course of 3 hours during initial pilot.

Amphetamobile   **Philadelphia, PA**
Growth Consultant   *August 2015 – December 2015*
- Recommended market shift and new development process using JSON, increasing profit margin by nearly 350%
- Evaluated market size and viability of product, developed market acquisition strategy, generated customer leads

Implantable Provider Group (IPG)   **Atlanta, GA**
Data Science Intern   *June 2015 – August 2015*
- Used SQL to parse healthcare financial data and identify surgeries movable from hospitals to ambulatory surgery centers, resulting in $4M+ new profit opportunities from insurance providers in Alabama and Texas
- Ran normalized statistical analysis to create a physicians' scorecard to rank doctors by cost efficiency

TECHNICAL EXPERIENCE – github.com/kashgupta

Favorite Languages: Python, TensorFlow, OpenCV, JavaScript (Node.js and Angular.js), Java, Swift, HTML, CSS
Computer Vision: Pixel level depth detection from a single monocular image, Convolutional Neural Network for pill classification, realtime face swapping in video, pose and velocity estimation for quadrotor in realtime using just a camera, Convolution and Canny Edge Detection, Image Morphing and Seam Carving, Video Mosaicing, Optical Flow Detection
Natural Language Processing: Classification using Naïve Bayes/Bayes Nets and Hidden Markov Models, Vector space models with clustering, Named Entity Recognition and Hypernyms, classification and text generation using a Recurrent Neural Net, extractive text summarization with supervised learning and atomic events
Web Development: Extensive work with SQL and noSQL databases (Mongo and XML), worked as TA for graduate Databases class, created fully functioning Facebook clone with chat (Node.js and Socket.io), extensive backend experience (Node.js)
Machine Learning and Deep Learning: K-means Clustering to segment images, training PacMan with reinforcement learning, Neural Net optimization, Perceptron and SVMs, logistic and polynomial regression, Decision trees with boosting

LEADERSHIP EXPERIENCE

Penn Social Entrepreneurship Movement: President and Compass Fellowship Chair   *September 2014 – May 2017*
- Taught key aspects of social entrepreneurship for incubator, advised 4 student startups and lead workshops

Penn International Impact Consulting: Senior Consulting Chair   *September 2014 – May 2017*
- Sourced and planned on-site projects with NGOs in 5 countries, mentored senior consultants and trained associates