Umang Bhatt

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Education

2017 – 2019	**Carnegie Mellon University**, Pittsburgh, PA, USA
	Masters of Science in Electrical and Computer Engineering
2015 – 2019	**Carnegie Mellon University**, Pittsburgh, PA, USA
	Bachelors of Science in Electrical and Computer Engineering
Advisor	José Moura
Current	*Pattern Recognition Theory* (18-794), *Networks in the Real World* (18-755), *Computer Security* (18-330), *AI, Society, and Humanity* (80-249)
Past	*Advances in AI for Social Good* (08-737), *Machine Learning (PhD)* (10-701), *Research in Data Science* (15-489), *Style* (76-390), *Computer Systems* (18-213)

Publications

Umang Bhatt, Pradeep Ravikumar, and José Moura. 2018. AVA: Aggregate Valuation of Antecedents. Working paper.

Aaron Roth, Samantha Reig, **Umang Bhatt**, Johnathan Schulgach, Tamara Amin, Afsaneh Doryab, Fei Fang, and Manuela Veloso. 2018. Humanoid Robot Affects Human Rationality: A Case Study in a Competitive Game. Under review at Human-Robot Interaction 2019. Daegu, Sotuh Korea

Umang Bhatt. 2018. Maintaining the Humanity of Our Models. AAAI Spring Symposium on AI, Society, and Ethics, March 2018. Stanford, CA, USA

Aaron Roth*, **Umang Bhatt***, Tamara Amin, Afsaneh Doryab, Fei Fang, and Manuela Veloso. 2018. The Impact of Humanoid Affect Expression on Human Behavior in Game-Theoretic Setting. 2018 IJCAI workshop on Humanizing Artificial Intelligence. Stockholm, Sweden

Umang Bhatt, Edgar Xi, Shouvik Mani, and Zico Kolter. 2017. Intelligent Pothole Detection and Road Condition Assessment. In Proceedings of Bloomberg Data for Good Exchange 2017. New York, NY, USA

Work Experience

2017 – Now	**Percepsense**, *Co-Founder*, Pittsburgh, PA.
	Building products to harvest vehicular telematics data - pipeline now used by Honda
2018 – 2018	**Microsoft**, *Program Management Intern*, Redmond, WA.
	Project: explainable conversational agents for technical hardware documentation
2017 – 2017	**Groupon**, *Product Management Intern*, Chicago, IL.
	Project: personalized and targeted pricing algorithms
2016 – 2016	**InquisitHealth**, *Software Engineering Intern*, River Edge, NJ.
	Project: extracting adverse health events from text messages (information retrieval)

2016 – 2016 **Internet of Things Consortium**, *Growth Intern*, New York, NY.

Teaching Experience

2017 – now **Carnegie Mellon University**, *Teaching Assistant*, Pittsburgh, PA, United States.
F18 10-701 (Introduction to Machine Learning - PhD) taught by Ziv Bar-Joseph and Pradeep Ravikumar
S18 15-388/15-688 (Practical Data Science) taught by Zico Kolter
F17 15-122 (Principles of Imperative Computation) taught by Illiano Cervesato
S17 15-110 (Principles of Computing) taught by Margret Reid-Miller

Talks

2018 Invited Poster at the Google Self-Organizing Conference on Machine Learning. November 2018. Toronto, Canada
2018 Invited Talk and Moderator at AI LA's *AI and Society: Creating a Fair and Ethical Future*. October 2018. Pasedena, CA
2018 Meeting of the Minds Undergraduate Poster Session. May 2018. Pittsburgh, PA
2018 Talk at AAAI's Spring Symposium on AI, Society, and Ethics. March 2018. Stanford, CA
2017 Invited Talk on *Mobility, Training, and Cities* at Bloomberg's Data for Good Exchange. October 2017. New York, NY
2017 Invited Case Study and Poster at University of Chicago's Data Science for Social Good. September 2017. Chicago, IL

Service

2011 – now **BAPS Children's Activities**, *National Development Committee Member*, USA.
Plan, oversee, and speak at nation-wide conventions and weekly assemblies for over 5,000 Hindu children ages 6-14 with the team of fifteen other members
2015 – 2016 **CMU Office of Undergraduate Admissions**, *Andrew Ambassador*, Pittsburgh, PA.
2015 **ImpactCMU: Social Good Expo**, *Board Member*, Pittsburgh, PA.

Skills

Programming Python, Java, C, C#, R, Javascript, Tensorflow, Matlab, HTML/CSS
Language English (native), Gujarati (fluent), Spanish (proficient), and Hindi (proficient)

References

José Moura Philip L. and Marsha Dowd University Professor, Electrical and Computer Engineering Department, College of Engineering, Carnegie Mellon University

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Pradeep Ravikumar Associate Professor, Machine Learning Department, School of Computer Science, Carnegie Mellon University

`pradeepr@cs.cmu.edu`

Zico Kolter Assitant Professor, Computer Science Department, School of Computer Science, Carnegie Mellon University

`zkolter@cs.cmu.edu`