

Utkarsh Upadhyay

PhD candidate at MPI-SWS

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Work & Education

Jan '15 – now	PhD Candidate at MPI-SWS, working with Prof. Manuel Gomez Rodriguez
Aug '18 – Nov '18	Intern at Yahoo! Research (Oath Holdings)
Apr '12 – Dec '14	Software Developer at Better AG, web-client development and data visualisation
Aug '10 – Feb '11	Intern at CCIL-NEC, Japan on <i>Information diffusion on Twitter</i>
Sept '09 – Feb '12	MS in Computer Science at EPFL, Switzerland; GPA: 5.7/6
May '08 – July '08	Intern at Microsoft Research, Redmond on <i>RoboClone (RoboCopy replacement)</i>
Aug '05 – May '09	B.Tech. in Electrical Engg. from Indian Institute of Technology, Kanpur; CPI: 9.5/10

Scholastic achievements

2017-19	Yahoo! Academic Research Program (ARP) Collaborator
2012	Awarded <i>Prix ECLA Informatique</i> for highest GPA in Computer Science MS at EPFL
2009-10	Awarded the Academic Excellence scholarship for Masters studies at EPFL
2009	Silver medal at the programming competition ACM-SWERC '09
2005-09	Recipient of the <i>Aditya Birla Scholarship</i> (Given to 10 students all over India)
2005-06	Recipient of the Academic Excellence Award at IITK
2005	Secured 108 th rank in Joint Entrance Examination for IITs (Percentile: 99.97%)

Current Interests

TensorFlow, Python, TypeScript, JavaScript, C/C++, HTML/CSS

Selected Publications

- B. Tabibian, U. Upadhyay, A. De, A. Zarezade, B. Schölkopf, M. Gomez-Rodriguez. *Enhancing human learning via spaced repetition optimization*. PNAS 2019.
- U. Upadhyay, A. De, A. Pappu, M. Gomez-Rodriguez. *On the Complexity of Opinions and Online Discussions*. WSDM 2019.
- U. Upadhyay, A. De, M. Gomez-Rodriguez. *Deep Reinforcement Learning of Marked Temporal Point Processes*. NeurIPS 2018.
- A. Zarezade, A. De, U. Upadhyay, H. R. Rabiee, M. Gomez-Rodriguez. *Steering Social Activity: A Stochastic Optimal Control Point of View*. JMLR 2018.
- U. Upadhyay, I. Valera, M. Gomez-Rodriguez. *Uncovering the Dynamics of Crowdlearning and the Value of Knowledge*. WSDM 2017.
- A. Zarezade, U. Upadhyay, H. Rabiee, M. Gomez-Rodriguez. *RedQueen: An Online Algorithm for Smart Broadcasting in Social Networks*. WSDM 2017.
- N. Du, H. Dai, R. Trivedi, U. Upadhyay, M. Gomez-Rodriguez, Le Song. *Recurrent Temporal Point Process*. KDD 2016.
- R. Khalili, N. Gast, M. Popovic, U. Upadhyay, Jean-Yves Le Boudec. *MPTCP is not Pareto-optimal: Performance issues and a possible solution*. **Best Paper Award**, CoNEXT 2012.

Interests & Activities

- Recreational programming, visualization & data mining
- Co-organizer/speaker at ML Summer School - 2016/17
- Member of Counselling Service, IIT Kanpur
- OSS Contributor: [musically-ut](https://github.com/musically-ut)
- Won at StartUp day, Saarbrücken - 2015
- Active on StackOverflow