

Dr. Utkarsh Upadhyay
CTO/co-founder [Reason.al](#)

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Work & Education

Oct '19 – now	CTO/co-founder of Reason.al
Jan '15 – Dec '22	PhD Candidate at MPI-SWS, supervised by Dr. Manuel Gomez Rodriguez
Aug '18 – Nov '18	Academic Research Program Collaborator 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</i> (RoboCopy replacement)
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

AI/ML, TensorFlow/PyTorch, Python, JavaScript, HTML/CSS

Selected Publications

- A. Singh, J. B. Hauge, M. Wiktorsson, **U. Upadhyay**. *Optimizing local and global objectives for sustainable mobility in urban areas*, Journal of Urban Mobility 2022.
- **U. Upadhyay**, G. Lancashire, C. Moser, M. Gomez-Rodriguez. *Large-scale randomized experiment reveals that machine learning-based instruction helps people memorize more effectively*, Nature (npj) Science of Learning 2021.
- P. Virtanen, *et al.* & **U. Upadhyay**. *SciPy 1.0: fundamental algorithms for scientific computing in Python*, Nature Methods 2020.
- **U. Upadhyay**, R. Busa-Fekete, W. Kotlowski, D. Pal, B. Szorenyi. *Learning to Crawl*. **Oral**, AAAI 2020.
- 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, M. Gomez-Rodriguez. *Deep Reinforcement Learning of Marked Temporal Point Processes*. NeurIPS 2018.
- 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](#)
- Won at StartUp day, Saarbrücken - 2015
- Active on StackOverflow