

Utkarsh Upadhyay

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

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Work & Education

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|--------------------|---|
| Oct '19 – now | CTO/co-founder of Reason.al |
| 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</i> (RoboCopy replacement) |
| Aug '05 – May '09 | B.Tech. in Electrical Engg. from Indian Institute of Technology, Kanpur; CPI: 9.5/10 |

Scholastic achievements

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| 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

- **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, 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.
- 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

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|---|---|
| ○ Recreational programming, visualization & data mining | ○ OSS Contributor: musically-ut |
| ○ Co-organizer/speaker at ML Summer School - 2016/17 | ○ Won at StartUp day, Saarbrücken - 2015 |
| ○ Member of Counselling Service, IIT Kanpur | ○ Active on StackOverflow |