Utkarsh Upadhyay
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Work & Education

Jan '15 – *now*	Intern at MPI-SWS, working with Prof. Manuel Gomez Rodriguez
Apr '12 – Dec '14	Software Developer at Better AG, web-client development and data visualisation
Aug '10 – Feb '11	Internship at CCIL-NEC, Japan on *Information diffusion on Twitter*
Sept '09 – Feb '12	MS in Computer Science at EPFL, Switzerland; GPA: **5.7/6**
May '08 – July '08	Internship at Microsoft Research, Redmond on *RoboClone, a replacement for RoboCopy found on Windows machines*
Aug '05 – May '09	B.Tech. in Electrical Engg. from Indian Institute of Technology, Kanpur; CPI: **9.5/10**

Scholastic achievements

2012	Awarded *Prix ECLA Informatique* 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 *Aditya Birla Scholarship* (Given to 10 students all over India)
2005-06	Recipient of the Academic Excellence Award at IITK
2005	Secured 108th rank in Joint Entrance Examination for IITs (Percentile: 99.97%)

Technical skills

Programming: Typescript, Javascript, Python, C++, Java, R, HTML/CSS
Other tools: Angular.js, D3.js, nginx, EC2, Meteor, gdb, nginx, LaTeX, SCORM
Languages spoken: English (fluent), Hindi (native), French (beginner), German (beginner)

Selected Publications

- R. Khalili, N. Gast, M. Popovic, **U. Upadhyay**, Jean-Yves Le Boudec (EPFL). *MPTCP is not Pareto-optimal: Performance issues and a possible solution*. **Best Paper Award**, CoNEXT 2012, Nice, France, Dec 10-13 2012.

- G. Mermoud, M. Mastrangeli, **U. Upadhyay** and A. Martinoli. *Real-Time Automated Modeling and Control of Self-Assembling Systems.* 2012 IEEE International Conference on Robotics and Automation, St. Paul, Minnesota, USA, May 14-18, 2012.

- **U. Upadhyay**, N. Yoshinaga, S. Itaya, R. Tanaka, T. Konishi, S. Doi, K. Yamada and P. Davis. *Evaluation of Participants in Group-discussions on Twitter*. Presented in 8th Applications of Social Network Analysis, Sept. '11. In Procedia - Social and Behavioral Sciences (Elsevier).

- G. Mermoud, **U. Upadhyay**, W. C. Evans and A. Martinoli. *Top-Down vs Bottom-Up Model-Based Methodologies for Distributed Control: A Comparative Experimental Study.* Presented in 12th International Symposium on Experimental Robotics (ISER), Dec. - 2010. Appears in proceedings.

- R. Arora, **U. Upadhyay**, R. Tulshyan, K. Deb, J. Dutta. *A Parallel Randomized Algorithm for Solving Large Convex Minimax Problem.* Presented in 8th International Conference on Simulated Evolution and Learning (SEAL), Dec. - 2010. Appears in Lecture Notes in Computer Science (LNCS, Springer, Vol. 6475).

Interests & Activities

- Recreational programming & data mining (Kaggle)
- Solving puzzles
- Active on Stack Overflow
- Exploratory learning
- Astronomy
- Member of Counselling Service, IIT Kanpur