

Makarand Tapaswi

Contact Info

✉ makarand@cs.toronto.edu
🌐 <http://www.cs.toronto.edu/~makarand>

Current Address

6 King's College Road
Toronto M5S 3H5, Canada

Current	Post-Doctoral Fellow Working on AI problems at the intersection of vision and language. <i>Advisers:</i> Prof. Sanja Fidler and Prof. Raquel Urtasun University of Toronto, Canada.	🌐 Oct16–present
Education	Ph.D. in Computer Science (Dr.-Ing.) with summa cum laude Computer Vision for HCI, Karlsruhe Institute of Technology 📖 <i>Thesis:</i> Story Understanding through Semantic Analysis and Automatic Alignment of Text and Video	🌐 Oct11–Jul16
	M.Sc. in Information and Communication Technologies Erasmus Mundus Program (UPC-Barcelona and KIT-Karlsruhe) 📖 <i>Thesis:</i> A Global Model for Person Identification in TV Series Overall Grade: 1.1 / 5 with distinction (German scale, 1.0 is best)	🌐 Sep09–Sep11
	Bachelor of Technology in Electronics and Communication Engg. National Institute of Technology Karnataka, Surathkal, India 📖 <i>Thesis:</i> Compressive Sampling for Video Compression and Pattern Recognition Many course-projects applying the theoretical knowledge Overall Grade: 9.09 / 10	Aug05–Apr09
Selected Projects and Internships	Internship Prof. Fidler and Prof. Urtasun, Univ. of Toronto, Canada. • Created benchmark for Question-Answering on Movie stories • Analysis and extension of Memory Networks	🌐 Sep15–Nov15
	Internship Prof. Zisserman, Univ. of Oxford, UK. • Face clustering in TV series based on video-editing cues • Analyzed various clustering paradigms	🌐 Apr13–Jul13
	Research Intern Microsoft Research, Bangalore, India. • Face and Speaker Recognition for User Authentication Systems • Explored ideas for fusion via generation of a user <i>identity</i> matrix	🌐 Apr08–Nov08
Honors and Achievements	Co-authored French-German research proposal (3 year grant), ANR-DFG	2016
	Research Travel Grant (€ 4,900) to visit U. of Toronto, KHYS, KIT	2015
	Co-authored research proposal (3 year grant) on Multimedia Analysis, DFG	2014
	Project funding (€ 15,000) to pursue dream project for young scientists, FYS, KIT	2012
	EC Erasmus Mundus Scholarship (€ 42,000) for M.Sc.	2009–11
Robert Bosch Best Project Award for the Bachelor Thesis	2009	
Selected Publications	<ul style="list-style-type: none">• M. Tapaswi, Y. Zhu, R. Stiefelhagen, A. Torralba, R. Urtasun and S. Fidler. MovieQA: Understanding Stories in Movies through Question-Answering <i>CVPR</i>, Jun 2016. 🌐• M. Tapaswi, M. Bäuml and R. Stiefelhagen. Book2Movie: Aligning Video scenes with Book chapters. <i>CVPR</i>, Jun 2015. 🌐• M. Tapaswi, M. Bäuml and R. Stiefelhagen. Aligning Plot Synopses to Videos for Story-based Retrieval. <i>IJMIR</i> 4 (1), pp. 3-16, 2015. 🌐• M. Tapaswi, M. Bäuml and R. Stiefelhagen. StoryGraphs: Visualizing Character Interactions as a Timeline. <i>CVPR</i>, Jun 2014. 🌐	