

## Petr Bobák – Curriculum Vitæ (August, 2024)

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CONTACT INFORMATION	Brno University of Technology CPhoto@FIT Božetěchova 2 612 00 Brno, Czech Republic	<i>phone:</i> +420 541 141 410 <i>e-mail:</i> <a href="mailto:ibobak@fit.vutbr.cz">ibobak@fit.vutbr.cz</a> <i>www:</i> <a href="http://www.fit.vutbr.cz/~ibobak">www.fit.vutbr.cz/~ibobak</a>
EDUCATION	2017–present: <i>Ph.D. studies</i> at the Department of Computer Graphics and Multimedia, Faculty of Information Technology, Brno University of Technology	
	2015–2017: <i>MSc. studies (Ing.)</i> at the Department of Computer Graphics and Multimedia, Faculty of Information Technology, Brno University of Technology	
	2012–2015: <i>Bc. studies</i> at Faculty of Information Technology, Brno University of Technology	
FURTHER EDUCATION	2017: Vision and Sports Summer School Prague	
	2015: Personality psychology and development, course completed by certification exam; supervisor Dusan Klasek, lecturer of The Office of the Government of the Czech Republic	
TEACHING EXPERIENCE	2018–present: Reviewer/Opponent of Master’s and Bachelor’s Theses, Faculty of Information Technology, Brno University of Technology	
	2018–2021: Supervisor of Master’s and Bachelor’s Theses, Faculty of Information Technology, Brno University of Technology	
	2018–2021: Instructor of the course Computer Graphics Principles, Faculty of Information Technology, Brno University of Technology	
PUBLICATIONS	Petr Bobák, Ladislav Čmolík, and Martin Čadík. From top-right to user-right: Perceptual prioritization of point-feature label positions. <i>arXiv preprint arXiv:2407.11996</i> , Submitted to <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2024.	
	Petr Bobák, Ladislav Čmolík, and Martin Čadík. Reinforced labels: Multi-agent deep reinforcement learning for point-feature label placement. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 30(9):5908–5922, 2024.	
	Petr Bobák, Ladislav Čmolík, and Martin Čadík. Temporally stable boundary labeling for interactive and non-interactive dynamic scenes. <i>Computers &amp; Graphics</i> , 91:265–278, 2020.	
	Petr Bobák, Ladislav Čmolík, and Martin Čadík. Video sequence boundary labeling with temporal coherence. In <i>Proceedings of Computer Graphics International 2019</i> , CGI 2019, pages 40–52, Cham, 2019. Springer International Publishing.	
CONFERENCE KEYNOTES	IEEE PacificVis 2024, Tokyo, Japan, oral presentation of Reinforced Labels: Multi-Agent Deep Reinforcement Learning for Point-Feature Label Placement	
	HiVisComp 2024, Czech Republic, oral presentation of Reinforced Labels: Multi-Agent Deep Reinforcement Learning for Point-Feature Label Placement	
	Computer Graphics International 2019, Toronto, Canada, oral presentation of Video Sequence Boundary Labeling with Temporal Coherence	

RESEARCH  
PROJECTS

2020–present: Research of computer vision algorithms, enhanced reality and related user interfaces, Veracity Protocol

2022–2023: Non-Invasive and Secure Identification, TACR, FW04020153

2019–2022: Deep-Learning Approach to Topographical Image Analysis, MSMT CR, LTAIZ19004

2018–2020: Research of computer vision algorithms, enhanced reality and related user interfaces, OneProve

WORKING  
EXPERIENCE

2019–present: Computer Vision & Machine Learning Researcher, Veracity Protocol

2017–present: Researcher, Department of Computer Graphics and Multimedia, BUT Brno

2017–2019: Computer Vision & Machine Learning Engineer, OneProve

LANGUAGE  
KNOWLEDGE

English: fluent, Czech: native speaker