

Jan Brejcha – Curriculum Vitæ (January, 2020)

CONTACT INFORMATION	Brno University of Technology, FIT CPhoto@FIT Božetěchova 2 612 66 Brno, Czech Republic	<i>phone:</i> +420 541 141 410 <i>e-mail:</i> ibrejcha@fit.vutbr.cz <i>www:</i> www.fit.vutbr.cz/~ibrejcha
EDUCATION	2014–today: <i>Ph.D. studies</i> at the Department of Computer Graphics and Multimedia, Faculty of Information Technology, Brno University of Technology (finishing)	
	2012–2014: <i>MSc. studies (Ing.)</i> at the Department of Computer Graphics and Interaction, Faculty of Electrical Engineering, Czech Technical University in Prague; graduated in Software Engineering, Open Informatics programme	
	2009–2012: <i>Bc. studies</i> at the Department of Computer Science, Czech Technical University in Prague, graduated in Software Systems, Open Informatics programme	
	2005–2009: Secondary Grammar School F. X. Šaldy, Partyzánská 530, Liberec; specialisation in natural science, graduated with distinction	
FURTHER EDUCATION	2015: Visual and Sports Summer School, Czech Technical University in Prague	
RESEARCH VISITS	2016: INRIA - Willow Project, Paris, France (J. Sivic); Visual geo-localization	
TEACHING EXPERIENCE	2017–2018: Instructor of the course Computer Graphics Principles	
	2017: Online System for Visual Geo-Localization in Natural Environment, M. thesis supervisor	
	2016: Semantic Segmentation in Mountainous Environment, Master's thesis supervisor	
	2015: Mobile Application for Image Annotation, Bachelor's thesis supervisor	
	2015: Web Application for Panorama Search, Bachelor's thesis supervisor	
	2015: Computer Art course at the Department of Computer Graphics and Multimedia, BUT Brno, Czech Republic (student's project supervisor)	
WORKING EXPERIENCE	2014–now: Department of Computer Graphics and Multimedia, BUT Brno, Czech Republic; position: Ph.D. student, technical worker	
	2018: Internship at Adobe Research, San Jose, CA	
	2017: Internship at Adobe Research, San Jose, CA	
	2014: Sketch Color Application on the iPhone, cooperation with Daniel Sýkora at CTU FEL Prague and BUT Brno, available on the App Store	
	2013: Internship at Disney Research Zürich, implementation of experimental technology for 2D image and video colorization	
	2012: Smartphone-based Hiking Navigator, Android application for Bachelor's project at CTU FEL Prague	

2005–2012: Web programming and webdesign (html, css, php, java, javascript)

PUBLICATIONS

Jan Brejcha, Michal Lukáč, Yannick Hold-Geoffroy, Oliver Wang, Martin Čadík: LandscapeAR: Large Scale Outdoor Augmented Reality by Matching Photographs with Terrain Models Using Learned Descriptors, In: Computer Vision – ECCV 2020, online.

Jan Brejcha, Michal Lukáč, Zhili Chen, Stephen DiVerdi, Martin Čadík: Immersive Trip Reports, In: ACM UIST, Berlin, Germany, 2018

Jan Brejcha, Martin Čadík: Camera Orientation Estimation in Natural Scenes Using Semantic Cues, In: International Conference on 3D Vision (3DV), Verona, Italy, 2018

Jan Brejcha, Martin Čadík: GeoPose3K: Mountain Landscape Dataset for Camera Pose Estimation in Outdoor Environments, Image and Vision Computing, Elsevier (2017)

Jan Brejcha, Martin Čadík: State-of-the-Art in Visual Geo-localization, Pattern Analysis and Applications, Springer-Verlag London (2017)

Jan Brejcha, Martin Čadík: Robustness of Visual Localization Methods, HiVisComp 2015 Poster

HOBBIES AND OTHER SKILLS

programming, algorithms, computer graphics, computer vision, mobile applications development, twelve year experience in boy-scout leadership, (bass) guitar, ballroom dancing.

LANGUAGE KNOWLEDGE

English: fluent, German: advanced, Czech: mother tongue