
CONTACT INFORMATION	e-mail: jameswhennessey@gmail.com website: jwhennessey.com	github: github.com/JWHennessey
EDUCATION	University College London , London <i>EngD Virtual Environments, Imaging and Visualisation</i> 09/2013 – 03/2018	
	University College London , London <i>Distinction, MSc Computer Science</i> 09/2011 – 09/2012	
	University of Leeds , Leeds <i>1st, BA New Media</i> 09/2008 – 06/2011	
HONOURS AND AWARDS	Rabin Ezra Scholarship , <i>Rabin Ezra Scholarship Trust</i> 01/2017 Peter Williams Prize , <i>University College London</i> 11/2012 Enterprise Scholarship , <i>University of Leeds</i> 12/2010	
PROFESSIONAL EXPERIENCE	Disney Research , Los Angeles <i>Lab Associate</i> 06/2017 – 10/2017 Working in Interactive Graphics Group developing real-time facial appearance capture and rendering technologies.	
	Adobe Research , San Francisco <i>Research Intern</i> 06/2016 – 09/2016 Developed a method for transferring parametric image-based edits for multi-channel compositing for Photoshop 3D. The work was published at SIGGRAPH Asia 2017.	
	Adobe Research , Seattle <i>Research Intern</i> 06/2015 – 09/2015 Developed a method for generating sketching tutorials for a user specified 3D model. The work was published at i3D '17 and has a patent pending.	
	University College London , London <i>Postgraduate Teaching Assistant</i> 01/2014 – Present Teaching assistant, project supervisor and marker for modules: Image Processing (GV12), Robotics Programming (COMP105P), Apps Design (GC02) and Software Engineering (GC22).	
PUBLICATIONS	James W. Hennessey, Wilnot Li, Bryan Russell, Eli Shechtman, and Niloy J. Mitra. 2017. Transferring Image-based Edits for Multi-Channel Compositing. <i>ACM Trans. Graph (Proceedings of SIGGRAPH Asia 2017)</i> , 36, 6, Article 179, 16 pages. James W. Hennessey, Han Liu, Holger Winnemöller, Mira Dontcheva, and Niloy J. Mitra. 2017. How2Sketch: generating easy-to-follow tutorials for sketching 3D objects. <i>In Proceedings of the 21st ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games</i> , Article 8, 11 pages. James W. Hennessey and Niloy J. Mitra. 2015. An Image Degradation Model for Depth-augmented Image Editing. <i>Computer Graphics Forum (Proceedings of Eurographics Symposium on Geometry Processing 2015)</i> 34(5): 191-199.	
PATENTS	Winnemöller, H., Mitra, N.J. Dontcheva, M., and Hennessey, J.W., Providing a Tutorial for Drawing a Scaffold to Guide a Drawing of a Three Dimensional Object. <i>US Patent Pending, Submitted 2017.</i>	
OPEN-SOURCE	phpInsight , Sentiment Analysis in PHP github.com/JWHennessey/phpInsight A text sentiment classifier in PHP designed for analysing social media. The classifier uses a 'bag-of-words' approach and classifies text as positive, negative or neutral. It was initially developed as part of my undergraduate thesis, then as Social Insight Ltd, but I later released it under a GPL licence.	
SKILLS	I predominantly program in C++, Matlab and Python. I have experience with libraries and standards commonly used in computer graphics and vision e.g. OpenGL, OpenCV, Eigen, Ceres, IGL. I also have experience working with 3D modelling software e.g. Maya, Blender, Vray. I use git for version control.	