

CONTACT INFORMATION	e-mail: j.hennessey@cs.ucl.ac.uk	telephone: (+44) 7780 43 4443
	website: jwhennessey.com	github: github.com/JWHennessey
EDUCATION	University College London , London <i>EngD Virtual Environments, Imaging and Visualisation</i>	09/2013 – Present
	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	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. The work is currently under peer review. I was mentored by Wilmot Li, Bryan Russell and Eli Shechtman.	
	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. I was mentored by Holger Winnemöller and Mira Dontcheva.	
	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), Introduction to Programming (GC01), Apps Design (GC02) and Software Engineering (GC22).	
PUBLICATIONS	uMotif , London <i>Software Engineer</i>	03/2013 – 09/2013
	Entrepreneur First , London <i>EF1 Cohort Member</i>	09/2012 – 09/2013
	Hennessey, J.W., Liu, H., Winnemöller, H., Dontcheva, M., and Mitra, N.J. (2017) How2Sketch: Generating Easy-To-Follow Tutorials for Sketching 3D Objects. <i>To be presented at i3D 2017</i> .	
PATENTS	Hennessey, J.W. and Mitra, N.J. (2015) An Image Degradation Model for Depth-augmented Image Editing. <i>Computer Graphics Forum (Proceedings of SGP 2015)</i> 34(5): 191-199.	
	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.	
PROGRAMMING	I predominantly program in C++, Matlab and Python. I have experience with libraries commonly used in computer graphics and vision e.g. OpenGL, OpenCV, Eigen, Ceres.	