

Curriculum Vitae of Sen He

CONTACT INFORMATION	Innovation Centre, Rennes Dr, Exeter EX4 4RN, UK	0044-7751580133 senhe752@gmail.com
RESEARCH INTERESTS	Computer Vision, Machine Learning, Visual Attention Models in Computer Vision	
EDUCATION	University of Exeter , Exeter, UK Ph.D., Computer Science, <i>Expected:</i> April 2020 <ul style="list-style-type: none">• Thesis Topic: <i>Dynamic Attention for Active Visual Scene Analysis</i>• Advisors: Dr. Nicolas Pugeault and Prof. Richard Everson University of Edinburgh , Edinburgh, UK MSc, Signal Processing and Communications, Sep 2015-Sep 2016 Nanjing University of Posts and Telecommunications , Nanjing China B.S., Communication Engineering, Sep 2011-Jun 2015	
PUBLICATIONS	<ol style="list-style-type: none">1. Sen He, Nicolas Pugeault. “Deep saliency: What is learnt by a deep network about saliency?” <i>2nd Workshop on Visualisation for Deep Learning, ICML, 2017</i>2. Sen He, Ali Borji, Yang Mi, Nicolas Pugeault. “What Catches the Eye? Visualizing and Understanding Deep Saliency Models” <i>arXiv:1803.05753</i>3. Sen He, Kangin Dmitry, Yang Mi, Nicolas Pugeault. “Aggregated Sparse Attention for Steering Angle Prediction” <i>ICPR, 2018</i>4. Sen He, Hamed R. Tavakoli, Ali Borji, Yang Mi, Nicolas Pugeault. “Understading and Visualizing Deep Visual Saliency Models” <i>CVPR,2019</i>5. Sen He, Hamed R. Tavakoli, Ali Borji, Nicolas Pugeault. “Human attention in Image Captioning: Datasets and Analysis” <i>ICCV,2019</i>	
PROJECTS	EP/N035399/1–Co-Investigator <ul style="list-style-type: none">• EPSRC research grant• DEVA-Autonomous Driving with Emergent Visual Attention	Dec,2016–May,2018
PROGRAMMING SKILL	Programming Language <ul style="list-style-type: none">• Python, Matlab, C, Github Machine Learning framework <ul style="list-style-type: none">• Pytorch, Tensorflow	
TEACHING EXPERIENCES	Teaching Assistant ECCM1416, Computational Mathematics Instructor: Dr. Nicolas Pugeault Department of Computer Science, University of Exeter Teaching Assistant ECM3423, Computer Graphics Instructor: Dr. Anastasios (Tassos) Roussos Department of Computer Science, University of Exeter	Spring 2017 Winter 2018

WORKING
EXPERIENCE

Summer Internship

Toshiba Cambridge Research Lab, Computer vision Group
Project: Spherical CNN for Image Semantic Segmentation

Summer 2019