Kelvin Cheng

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CITIZENSHIP	Canadian

RESEARCH INTERESTS

Computer Vision, Machine Learning, Deep Learning, Artificial Intelligence, Computer Graphics

EDUCATION

North Carolina State University, Raleigh, United States, 2019–2022
PhD (in progress), Department of Computer Science
- Advisor: Tianfu Wu, PhD

Simon Fraser University, Vancouver, Canada, 2015–2019
MSc, Department of Computing Science
- Advisors: Ping Tan, PhD
- Thesis title: A Neural Network for Monocular Point Cloud Estimation of Human Objects

Simon Fraser University, Vancouver, Canada, 2010–2015
BSc, Department of Computing Science
- Bachelor's degree in Computing Science, specialize in artificial intelligence

PUBLICATIONS

Publications:
- Sicong Tang, Feitong Tan, Kelvin Cheng, Zhaoyang Li, Siyu Zhu, Ping Tan. A Neural Network for Detailed Human Depth Estimation from a Single Image (*oral presentation*). *International Conference on Computer Vision (ICCV)* Seoul, South Korea, Oct. 2019.

Theses:
- A Neural Network for Monocular Point Cloud Estimation of Human Objects. Master's thesis, Simon Fraser University.

PRESENTATIONS

Note that a dagger denotes refereed conference presentations given by a coauthor.

Sicong Tang, Feitong Tan, Kelvin Cheng, Zhaoyang Li, Siyu Zhu, Ping Tan. A Neural Network for Detailed Human Depth Estimation from a Single Image
- International Conference on Computer Vision (ICCV) [†], Seoul, South Korea, Nov 1, 2019.

SCHOLARSHIPS
- University Graduate Fellowship, North Carolina State University, 2019–2020 ($US 4,000)
- NSERC Undergraduate Student Research Awards, 2015 ($CAD 5,740)

TECHNICAL SKILLS
- Programming: C++, C, Python, Java, JavaScript, MATLAB, R
- Libraries: CUDA, TensorFlow, PyTorch, OpenGL/WebGL, NLTK, Numpy, Pandas

LANGUAGES
- Cantonese (native)
- Mandarin (native)
- English (fluent)