Chen Liu

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Education

○ **École Polytechnique Fédérale de Lausanne (EPFL)** **Lausanne, Switzerland**
PhD in Computer Science *2017 -*

○ **École Polytechnique Fédérale de Lausanne (EPFL)** **Lausanne, Switzerland**
M.S in Computer Science *2015 - 2017*
GPA: 5.73/6.00 Transcript

○ **Tsinghua University** **Beijing, China**
B.ENG in Computer Science and Technology *2011 - 2015*
GPA: 91.34/100.00 Rank 9/123 Transcript Graduated with Distinction

Research & Work Experiences

○ **Swisscom Digital Lab** **Feb, 2017–Aug,2017**
Lausanne Switzerland *Internship*

- Automatic document summarization by sequence-to-sequence model with attention mechanism.

○ **Siemens Research (USA)** **Jul,2016–Feb,2017**
Princeton, New Jersey, USA *Research Intern*

- Deep metric learning by triplet neural networks to automatically tune parameters of a 3D medical imaging renderer to obtain images of consistent visual effect.

Publications

○ Chen Liu, Ryota Tomioka, Volkan Cevher. "On Certifying Non-uniform Bounds against Adversarial Attacks". In *International Conference on Machine Learning* (ICML) 2019.

○ Ya-Ping Hsieh, Chen Liu, Volkan Cevher. "Finding the Mixed Nash Equilibria of Generative Adversarial Networks". In *International Conference on Machine Learning* (ICML) 2019.

○ Chen Liu, Shun Miao, Kaloian Petkov, Sandra Sudarsky, Daphne Yu, Tommaso Mansi. "Consistent 3D Rendering in Medical Imaging". European Patent No. 18160956.1 - 1208.

Technical & Personal Skills

○ Programming Language: C/C++, Python (skilled); Matlab, Java (Average).
○ Deep Learning Tools: Pytorch, TensorFlow (skilled); Theano, Lasagne (Average).
○ Natural Language: Mandarin (Native), English (Fluent).

Awards

○ ICML 2019 Travel Award
○ Microsoft Research Scholarship Program.(MSR sponsored student 2017 - 2019)
○ Outstanding Graduates of Department of Computer Science and Technology in Tsinghua University.(2015)
○ Scholarship of Academic Excellence in Tsinghua University.(2013 & 2014)
○ Scholarship of Social Work in Tsinghua University.(2013)

External Links

○ Github: Codes. https://github.com/liuchen11