QIANCHENG FU

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EDUCATION

Boston University, Boston MA *2019 - Present*
Doctor of Philosophy, Computer Science

North China University of Technology *2015 - 2019*
Bachelor of Engineering, Computer Science

TECHNICAL SKILLS

Programming Languages: C, Python, OCaml, Haskell, ATS, Coq, Agda
Frameworks: Pytorch, Tensorflow, Django

RESEARCH EXPERIENCE

Undergraduate Thesis *A Deep Learning Approach to Motion Transfer*

Supervised by Prof. Lin Gao and Prof. Lianjun Liao

- Designed and implemented a novel refinement network for direct source feature extraction and propagation.
- Designed a training strategy for the simultaneous training of source and target generative networks.
- Compared performance to state of the art neural transfer networks, reporting better performance in certain tasks.

ACADEMIC EXPERIENCE

Compiler Design

Built a compiler for a statically typed ML style functional language with type inference and polymorphic types using ATS.

Computer Vision

Built and trained a novel Generative Adversarial Network (GAN) for performing motion transfer and refinement of human subjects in videos using Python and Pytorch.

WORK EXPERIENCE

Teaching Fellow for CS320 *Fall 2020*
Boston University

Teaching Fellow for CS320 *Summer 2020*
Boston University

Teaching Fellow for CS111 *Summer 2020*
Boston University

Teaching Fellow for CS320 *Spring 2020*
Boston University

Teaching Fellow for CS108 *Fall 2019*
Boston University

Research Assistant *2018 - 2019*
Institute of Computing Technology, Chinese Academy of Sciences