Xiao Wu | Curriculum Vitae

Institude of Computer Science and Technology – Peking University, Beijing, China

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Education

Peking University

Major in Computer Science 2016–2019

Member of Turing Class

School of Electronic Engineering and Computer Science(EECS)

Graduation June 2020

Overall GPA **3.61**/4.00

Selected Courses
- Theories, Models and Methods of Computational Vision: 93/100
- Discrete Mathematics and Structures (I)(II): 99/100
- Mathematics in Information Science: 96/100
- Mathematical Analysis (II): 94/100
- Practice of Data Structure and Algorithm: 91.5/100

Research & Projects

Research Intern at Institute of Computer Science and Technology(ICST), Peking University

Advisor: Prof. Jiaying Liu *Since Mar.2018*
- **Project: Skeleton Based Action Recognition(Ongoing)**
  - Implemented an LSTM-based classifier on PKUMMD dataset.
  - Reimplemented *View Adaptive Recurrent Neural Network*.
  - Exploring view-invariant features of skeleton videos.

Course Projects
- **Deep Seam-carving for Image Resizing** *Jun. 2018*
  Developed deep-based methods using guided backprop to calculate energy map for seam-carving image resizing alogirithm. Also evaluated other methods including grad1ient method,local entropy method and introducing forward energy term.
- **A Mini C Compiler** *Dec. 2018*
  Implemented a mini compiler that turns simplified C code to RISC-V assembly by three-address code translating, register allocation and data-flow analysis.
- **An Online Tetris Game** *Jun. 2018*
  Implemented an antagnostic Tetris Game that supports online chatting with GUI using MVC framework in Java as the team leader.
- **A Game AI of Ataxx** *Dec. 2016*
  Implemented a game AI for board game Ataxx using deep search and alpha-beta pruning in C++.

Awards & Honor

Mount Everest Scholarship(school-level scholarship) *Nov. 2018*

Member of Turing Class *Since Sep. 2017*

Third Prize at ACM-ICPC (school-level competition) *Jun. 2017*

Skills

Programming Languages: C/C++, Python, Java, Latex

English:
- TOEFL iBT Score: 110/120
- GRE Score: Verbal Reasoning 158/170, Quantitative Reasoning 170/170, Analytical Writing 3.0/6.0