Xiao Wu | Curriculum Vitae

Institute of Computer Science and Technology
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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
- 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*

- **Low-light Human Action Recognition with RGB and Infrared Data(Ongoing)**
- **Learning to Recognize Human Actions from Noisy Skeleton Data**
  - Cooperated with senior students.
  - Handled noise by exploiting view-invariant features of skeleton videos.
  - Introducing feature compensation network with adversarial learning.
- **Skeleton Based Action Recognition on PKUMMD**

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.
- **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