

Xiao Wu | Curriculum Vitae

Institute 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

Graduation June 2020

Overall GPA **3.66**/4.00

Selected Courses

- Discrete Mathematics and Structures (I)(II):99/100
- Mathematics in Information Science 96/100
- Mathematical Analysis (II):94/100
- Study and Practice on Topics of Frontier Computing(I):93/100
- Practice of Data Structure and Algorithm 91.5/100

Research & Projects

Deep Seam-carving for Image Resizing

Guided Research

June 2018

Developed deep-based methods using guided backprop to calculate energy map for seam-carving image resizing algorithm. Also evaluated other methods including gradient method, local entropy method and introducing forward energy term.

Python/PyTorch environment

A Mini C Compiler

Individual Project

December 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.

C++ environment

An Online Tetris Game

Project Leader

June 2018

Implemented an antagonistic Tetris Game that supports online chatting with GUI using MVC framework.

Java environment

A Game AI of Ataxx

Individual Project

December 2016

Implemented a game AI for board game Ataxx using deep search and alpha-beta pruning.

C++ environment

Awards & Honor

Mount Everest Scholarship(school-level scholarship)

November 2018

Member of Turing Class

Since September 2017

Third Prize at ACM-ICPC (school-level competition)

June 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