Xiao Wu | Curriculum Vitae

Dormitory Building No.28 – 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-based Seam-carving Image Processing

Guided Research   June 2018

Developing and evaluating different ways to calculate energy maps for seam-carving's dynamic programming algorithm, including computing the gradient of the pixel, combining local entropy with gradient, combining forward energy term, and deep-based methods using guided backprop.

Python/PyTorch environment

A Mini C Compiler

Individual Project   December 2018

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

Implementing an antagnostic Tetris Game that supports online chatting with GUI using MVC framework.

Java environment

Awards

Mount Everest Scholarship(school-level scholarship)   November 2018

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