Xiao Wu | Curriculum Vitae

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

(+86) 133-0672-2692 • ✉ wu.xiao@pku.edu.cn • adamink.github.io/about

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 **3.61**/4.00

Selected Courses

- Discrete Mathematics and Structures (I)(II):99/100
- Mathematics in Information Science 96/100
- Mathematical Analysis (II):94/100
- Practice for Compiler Design:90/100
- 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 alogirithm. Also evaluated other methods including grad1ient 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 antagnostic 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