

Chenning Yu

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EDUCATION

Nanjing University, Nanjing, China

Sept.2015-Present

B.S. in Computer Science, K.Y. Honors School (GPA: 91/100, Rank: 1/10)

- Kuang Yaming Honors School is one of the National Training Bases for Talented Students certified by China's Ministry of Education, which only admits the top 5% of newly admitted freshmen
- Core course: Discrete Mathematics, Data Structures, Algorithm Design and Abstract Algebra, Operating System, Principles of Compilers, Numerical Method

Duke University, North Carolina, USA

Aug.2017-Dec.2017

Semester Exchange

- Core Course: Introduction to Cryptography, Software Design and Implementation

RESEARCH EXPERIENCE

Research Assistant, Department of Computer Science

July.2018-Dec.2018

Brandeis University, Supervised by Prof. Hongfu Liu, Waltham, USA

- Independently designed a novel method, unsupervised dual selection, which conducts feature selection and outlier detection jointly for a clean representation of data
- Implemented the optimization code by MATLAB, currently testing on about eighty image, text and medical data sets, such as Yale Face Dataset, WebKB Dataset, and Lung Cancer Dataset
- Manuscript is under preparation, aiming to submit IJCAI-19

Research Assistant at LAMDA Group

Feb.2017-Present

Nanjing University, Supervised by Prof. Yuan Jiang, Nanjing, China

- Joined in the design and development issue of academic article retrieval system
- Took the duty of one of the core parts, which is to automatically retrieve certain labels of scientific PDFs
- Built an automatic web crawler to search for the target article given target titles
- Proposed a rule-based model to fetch basic information with above 95% accuracy, which was quite acceptable

PROJECT EXPERIENCE

Pokémon Maker: A Platform to Customize Pokémon Game

Oct.2017-Dec.2017

Duke University, Designer & Developer, Durham, USA

- Refined the GUI, such as menus and choice boxes, to change attributes and skills of Pokémon
- Dealt with the game logic about refreshing maps, moving NPC in maps, buying potions and unlocking plots
- Made iterative improvement with collection and analysis on the suggestions given by test players
- Learned communication skills while cooperating with other seven team mates, and mastered Git

NEMU: An X86 Simulator on Ubuntu Linux System

Sept.2016-Jan.2017

Nanjing University, Designer & Developer, Nanjing, China

- Implemented typical debugging functions, such as single stepping, breakpoint, and expression evaluation
- Simulated multiple basic commands in 80386, paged segmentation in cache, interruption and I/O
- Learned to write Makefiles and shells, to organize the compiling order of head and source C files

AWARDS

Second Prize, *Career Planning Competition at College*

2018

Second Prize, *National Elite Program Scholarship (Top 15%)*

2016

SKILLS

Language: Chinese (Native)

English (Fluent, TOEFL: 105(S24), GRE: 154(V)+170(Q)+4.0(AWA))

Programming: Java, Python, PyTorch, MATLAB, Bash, Assembly, Git, Docker, SQL