

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 strategy by MATLAB, currently testing it on about eighty image, text and medical data sets, such as Yale Face Dataset, WebKB Dataset, and Lung Cancer Dataset

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 basic information of scientific PDFs
- Built an automatic web crawler to search for the target article given target titles
- Successfully proposed a model to classify paragraphs into basic information labels with above 95% accuracy

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 by collection of over 200 suggestions given by teammates and test players
- Learned communication skills while cooperating with other seven teammates, 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