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

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