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EDUCATION

Nanjing University, Nanjing, China   *Sept.2015-Present*
B.S. in Computer Science (Honor Class, GPA: 91/100, Rank: 1/10)
- 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;
- Implement 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 or KDD-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 document retrieval system;
- Proposed a new rule-based method about crawling web and retrieving scientific PDFs given specific titles with above 95% accuracy;
- Expected to classify paragraphs of scientific PDFs into titles, authors, abstract, and others etc.

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 the map, moving NPC in the map;
- Collected and analyzed the advices from test players;
- Improved skills to communicate 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 like single stepping, breakpoint, expression evaluation and watch point;
- 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**,** *National Elite Program* Scholarship (Top 15%)   *2016*
Second Prize**,** *Career Planning Competition at College*   *2018*

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

Mathematics: Probability Theory and Statistics, Linear Algebra, Number Theory, Lagrangian Methods, Calculus