JILL (CHUYI) YANG

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EDUCATION

Yale University   **New Haven, CT**
Master of Science in Computer Science   *Sep 2018-May 2019*

- Courses: Operating System, Parallel Computing, Data Mining and Machine Learning, Linear Models

Nankai University   **Tianjin, China**
Bachelor of Engineering in Computer Science   *Sep 2014-Jun 2018*

- **Cumulative GPA: 92.19/100; Ranking: 1/75**
- **Honors and Awards: 4** National & University Meritorious Scholarships (2014-17), **2** Outstanding Student Leadership Awards (2015-16), Excellence Award – Tianjin Collegiate Public Speaking Contest (2015)
- Courses: Data Structure, Algorithms, Database System, Principles of Compiler, Computer Networks, etc.

INTERNSHIP

Lenovo BT/IT Department   **Beijing, China**
Algorithm Engineer   *Sep 2017-Feb 2018*

- Searched and filtered data of 8000 customers pertaining to customer experience from Lenovo database
- Analyzed the correlation between NPS and contributing factors with multivariate analysis in Python
- Proposed data mining solutions, and brainstormed with other departments to determine the potential values

RESEARCH EXPERIENCE

Undergraduate Data Science Research Program   **Tianjin, China**
Independent Researcher   *Mar 2017-June 2018*

- Researched numerous theses about sNM3F and deep learning in the urban computing field
- Gathered trajectory data of 10000+ taxis in 7 days and transferred them into matrices with MATLAB
- Developed the model of Matrix Decomposition and Autoregressive procedure with Java
- Optimized the original Spatio-temporal ResNet model to achieve better prediction

Undergraduate Training Programs for Innovation and Entrepreneurship   **Tianjin, China**
Team Leader   *Mar 2016-Mar 2017*

- Extracted the xml file of dissertations, compared it with the standard format and then reported errors
- Designed the technical roadmap; completed the coding of the xml-analysis and error reporting
- Delegated assignments and organized group discussions regarding the project

ACADEMIC PROJECTS

Design and Implementation of Micro Certified Operating System Kernel   *Sep 2018-Present*

- Built a micro OS kernel bootable on real PCs
- Realized the main functions of kernel, including memory and process management, file system, etc.

Database for Managing University Student Clubs   *May-Jun 2016*

- Devised the relation graph and set up the database in SQL Server
- Developed the visualization interface, database connection and operation with C# and SQL
- Created a database capable of community registration, activity recording and membership management

COMPUTER AND MATHEMATICAL BACKGROUND

Computer skills: C++, Java, Python, MATLAB, data analytics and machine learning algorithms

Mathematical background: Calculus, Linear Algebra, Probability and Mathematical Statistic, Discrete Mathematics, Methods of Computing