

Yiling (Lawrence) Huang

503 West 122nd Street Apt. 6, New York, NY, 10027

917-873-1861 - yh2707@columbia.edu - www.linkedin.com/in/lawrencehuangyiling

EDUCATION BACKGROUND

Columbia University - *M.S. in Operations Research, New York, NY* Sep 2014 - Present

- Coursework: Stochastic Models, Deterministic Models, Pricing Models, Global Capital Markets

Tsinghua University - *B.Eng. in Computer Science and Technology, Beijing, China* Sep 2010 - Jul 2014

- Coursework: Text Classification with Naïve Bayes and LibSVM, K-means Clustering on Netflix with Hadoop, Picture Based Search Engine, Multi-Cycle CPU Design

PROFESSIONAL EXPERIENCE

HSBC Bank (China) Company Limited, Beijing, China May 2013 - Nov 2013

Risk Analyst Assistant - Risk Analysis Unit, Global Banking

- Developed an analytical tool on spreadings to facilitate analysis on financial performances of borrowers
- Calculated financial ratios and corresponding working capital loans, reviewed customers' current outstanding, guarantee, mortgage and pledge status of People's Bank of China (PBOC)
- Evaluated annual reports and assigned business ratings on borrowers in Moody's Risk Analyst (MRA)
- Collected and checked main borrowers' credit ratings on Bloomberg - S&P, Fitch and Moody's

COMPETITIONS

Mathematical Contest in Modeling - *National Second Prize, Beijing, China* Sep 2013

- Restored and matched various types of paper fragments by implementing Kuhn-Munkres Algorithm
- Calculated different occasions' probabilities and executed Simulated Annealing with proper parameters

Global Business Plan Competition - *Third Place, Intel HQ, Santa Clara, CA* Aug 2012

- Conducted alternative group on intangible products such as baby-sitting services

IBM's Case Study Competition - *Third Prize, Beijing, China* Dec 2011

- Demonstrated client's economic downturn and its unconsolidated Information System
- Proposed to outsource data maintenance tasks and set up a flexible bilateral B2B online pricing platform

National Olympiad in Informatics in Provinces (NOIP) - *Second Prize, Shanghai, China* Jan 2010

- Solved four programming problems of linked list, string searching, graph theory and DP problem

PROJECTS

3D Monitoring System of Nature Reserves on NASA World Wind Apr 2014

- Revamped open-source NASA World Wind Java and finished GIS customization for monitoring
- Deployed WMS Server for offline services and accomplished the localization of the project

Mobile User Sensing System Jul 2012

- Built a server with frontend Bootstrap and Hibernate framework as the backend database
- Programmed the system to be interactive with partners' mobile Android client
- Designed the Sensing System to store and show the statistics of personal information

THUMap Project May 2011

- Realized graph search algorithms in the project: <http://cst05.sinaapp.com/THUMap/index>

SKILLS AND INTERESTS

- Programming: C, C++, Java, Python, Matlab, SQL, Qt, VHDL
- Awards: John McCall Cup of Table Tennis - *Men's Singles Top 32, Team Rank 5th*
- Interests: Beijing International Marathon, Chinese Calligraphy, Saxophone