MOYANG HE

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EDUCATION

M.S., Computer Science (GPA 4.0), Northeastern University, Seattle	2015 – 2017
B.S., Mathematics and Applied Mathematics, Xiamen University, China	2011 – 2015

TECHNICAL SKILLS

Languages: Python, Java, C/C++/STL, SQL, Scheme, LaTeX

Web Development: HTML/CSS, Bootstrap, Angular.js jQuery, Node.js, Django, MongoDB

Software Development: JUnit, Swing, pip, GCC/G++, Git

Data Science: Scipy/Numpy, Scikit-learn, Matlab, R, Mathematica

Knowledge: OOP/OOD, Algorithms, Web Development, Machine Learning

IDE: Eclipse, PyCharm, IDLE, WebStorm

PROJECTS

Online Course Registration Web Application   Sep 2015 – Jan 2016

- System design and development with JavaScript, Node.js, MongoDB and deployed in OpenShift.
- Developed front end with Angular.js and Bootstrap. Facebook/Google Map APIs are also used.
- Designed data schema with MongoDB.

Space Invaders Desktop Game   Sep 2015 – Jan 2016

- Designed and created a game in Java and developed with JUnit in Eclipse.
- Developed GUI with Swing GUI framework and Java 2D graphics library.
- Refactored code with new features provided by Java 8, improve parallel performance by 40%.

Python-based Stock Information Web Crawler   Nov 2013 – Aug 2014

- Built a Python crawler with urllib2 library and parse HTML using BeautifulSoup and Regular expression.
- Implemented various methods to analyze stock market information using Python machine learning package.
- Proposed a trading strategy and created a Django-based websites to posted real time trading simulation.

HONORS AND AWARDS

Meritorious Winner, Mathematical Contest in Modeling	2014
First Prize, China Contemporary Undergraduate Mathematical Contest in Modeling	2013