XIAO HAN

Tel: 541-908-8790, Email: hanxia@oregonstate.edu

EDUCATION

COLLEGE OF ENGINEERING Corvallis, OR
Oregon State University
Master of Engineering in December 2016
- Major: Computer Science
- GPA:3.63
- Continued Success Scholarship in July 2015

Shandong University Jinan, Shandong, China
Bachelor of Engineering in 2012
- Major: Computer Science and Technology
- Leader of Department of Science and Technology in Shandong University
- Outstanding Student Leader in College of Computer Science and Technology

EXPERIENCE

07/2012 – 03/2014 **Great Wall Securities, Shandong Branch** Jinan, Shandong, China
Quant Researcher in Financial Research Department
- Chose appropriate stock pools based on given conditions; screened out the ST (Special Treatment, means that the stock has high investment risk) stocks that weren't traded, and excluded stocks suspended for certain days within factor evaluation period
- Collected and pre-processed financial data from Wind (Chinese version of Bloomberg), such as extreme value elimination and data standardization
- Selected securities with factor security-selection model
- Tested the validity of each factor, choosing effective factors according to certain indexes
- Conducted back-test of models; excluded factors with higher relevance and conducted back-test to verify the effectiveness of strategies

PROJECTS

Spring 2016 **Project in Static Analysis and Model Checking for Dynamic Analysis Course** Corvallis, OR
- Wrote a Feedback-directed random tester, which is the basic implementation of a novel test generation algorithm using the TSTL API, including three sequences: error sequence, non-error sequence, and new sequence
- Realized the following advantages: avoiding lots of non-sense test cases, finding bugs more easily and recording the bugs

Spring 2016 **Renju Game Project** Corvallis, OR
- Wrote the renju game with Haskell, an advanced purely functional programming language, in which players could choose to play with another player or play with AI
- The program will automatically build up and print out the chess map when the player has chosen the game mode. There is a function in the program that will always check whether there has player winning the game.

Fall 2015 **Solar System Project** Corvallis, OR
- Applied OpenGL to draw a solar system with nine planets
- Achieved the following effects: every planet going around the sun, moon going around the earth, all planets rotating by themselves, and sun providing white light
- All planets' rotating cycles and revolution cycles have been calculated

11/2011-06/2012 **Age Prediction System of Sina Microblog** Jinan, Shandong, China
Position: Research Assistant **Supervisor: Prof. Jun Ma**
- The project aimed to design a system to predict the age of Sina Microblog users in order to provide effective information support for individual recommendation and advertisement releasing
- Preprocessed the data collected through noise reduction, data uniformization, and transforming data into unified format; Extracted optimal classification features based on previous research approaches to be input of prediction module;

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- Applied SVR to verify the contribution degree of three classifications of characteristics, adopted LIBSVM software to conduct analysis and prediction of age
- The system achieved a prediction accuracy of over 83%, with a mean absolute error of 7.112

ADDITIONAL

- Software Matlab, SQLSERVER, EVIEWS, SPSS
- Language R, C, C++, Haskell, Python, Java, Idris
- Proficiency in both Chinese and English