

CURRICULUM VITAE

Peng Sun

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CURRENT POSITION

Third year Ph.D. student, Department of Computer Science, North Carolina State University

EDUCATION

- 2014-2015 Ph.D. student, Department of Computer Science, Iowa State University, USA
2011-2014 M. S., College of Computer Science and Technology, Jilin University, P. R. China
2007-2011 B. S., Department of Computer Sciences, Taiyuan University of Technology, P. R. China

RESEARCH

- 2015-2016 Software Engineering Research Assistant, Iowa state University. Advisor: Dr. Kathryn T. Stolee
- *Empirical software engineering study with Human Activity*
 - *Crowdsourced software development*
 - *Specification mining using crowd intelligence*
- Distributed Software Development (Agile Method); acting as Scrum Master in charge of two teams with 5 members in each for three sprints, Iowa state University. Advisor: Dr. Carl K Chang
- *Manage scrum process*
 - *Arrange daily scrum meeting*
 - *Solve impediments*
 - *Summary team's behavior during each sprint*
- 2011-2014 Data Mining, Jilin University. Advisor: Dr. Liyan Dong.
- *Semi-supervised Study in Bayes*
 - *A weight adjusting based multi-view semi-supervised learning classification algorithm.*
- 2011-2014 Lathe simulation system, Jilin University. Advisor: Dr. Liyan Dong. Projects:
- *Design/Implementation of Command Interpreter; Test and write product specification.*
- 2011 Risk assessment of investment system; acting as a team leader
- *Design of an Accurate Algorithm for Evaluating the Investment Opportunities in a Company based on SWOT analysis; Set weight for different indicator based on history financial data.*

INTERNSHIP

- 2011 ARM Development Board, Taiyuan University of Technology
- *Build Linux environment (Ubuntu)*
 - *Design a MP3 Player on ARM development board*
 - *Control the audio card, realize read and write methods*
 - *Test the play music and lyric on ARM board*

- 2010 J2EE (Java 2 Platform Enterprise Edition), ChinaSoft International Ltd.; acting as a team leader.
- *Design a website “Technical Informationization Management System”*
 - *Realize the database related operation for the “Talent Management” part of the system*
 - *Design right control for different kind of customer*
 - *Control and manage the process of the whole program, assign task to everyone in the team*
 - *Test each module of the whole system*
- 2009 Linux system, Tarena Technology; acting as a team leader
- *Build Linux environment: install Linux(red hat) system; configure internet connection*
 - *Learning Linux basic command, and the frequent used command in Vi Editor*

COMPUTER SKILLS

Programming Languages	Python, PHP, Java, JavaScript, R, C#, C++, Vb,
Database	MySQL, Oracle, SQLServer
IDE	Eclipse, RStudio, Visual Studio
Techniques	Data mining, Statistical analysis, Machine learning, Empirical study

TEACHING EXPERIENCE

- 2014-present Teaching Assistant, Department of Computer Science, Iowa State University
- *Com_S 113 Introduction to Spreadsheets and Databases*
 - *Com_S 103 Computer Literacy and Applications*
- 2012 Private tutor teaching general computer sciences, e.g., Dreamweaver and HTML.

PUBLICATIONS

- 2016 **Peng Sun**, Kathryn T. Stolee. Exploring Crowd Consistency in a Mechanical Turk Survey. At 3rd International Workshop on CrowdSourcing in Software Engineering.
- 2015 DONG et al. Maximum Difference Based Confidence Estimation Algorithm. Journal of Jilin University (Information Science Edition) 53: 1217-1222.
- 2013 **Peng Sun** et al. Optimization Algorithm for Bulk Data Import Based on Typed DataSet. Journal of Jilin University (Information Science Edition) 31: 210-214.
- 2013 DONG et al. Design and Implementation of Command Interpreter in Numerical Control Lathe Simulation System. Journal of Jilin University (Science Edition) 51: 676-680.
- 2013 DONG et al. Method Based on Milling Machine Radius Compensation. Journal of Jilin University (Information Science Edition) 31: 419-424.

PROFESSIONAL SERVICES

- 2016 Reviewer of journal publications (*ad hoc*):
- *Neural Computing and Applications*

PERSONAL INTERESTS

Body building, hiking, camping, canoeing and other outdoor activities.