

JIANFENG CHEN

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EDUCATION

North Carolina State University (2014-present)

GPA: 3.96/4.0

Ph.D. in Computer Science

Shandong University (2010-2014)

GPA: 3.81/4.0

B.E. in Software Engineering

RELATED COURSEWORK

Automated Learning and Data Analysis, Software Engineering, Automated Software Engineering, Design and Analysis of Algorithm, Advanced Artificial Intelligence

RESEARCH PROJECTS

RAISE Laboratory, NC State University

Raleigh, NC

Software product line configuration optimization

08/2015 – present

- Parse software product line configurations into tree structure
- Find the best configuration (high number of features, low constraint violations) by multi-objective optimization algorithms and techniques of reinforcement learning

Shandong University-Virginia Tech International Laboratory

Jinan, China

Handling and segmentation of bat CT images

11/2013 - 05/2014

- Developed segmentation algorithm for bat wing CT images
- Reconstructed the 3D surface model for them
- Connected every bone for the bat hands

Research center of HCI & VR, Shandong University

Jinan, China

Equiareal parameterizations of NURBS surfaces

08/2012 - 04/2013

- Studied optimization for the equiareality of given NURBS surfaces
- Provided an explicit solution (for Bezier surface) and numerical solution (for NURBS) to render the coefficients of the Möbius transformations

Institute of Information Engineering, Chinese Academy of Sciences

Beijing, China

Recommendation System based on SNS

12/2012 - 02/2013

- Constructed a model to collect the user's interest
- Calculated the keywords of a passage
- Gave an algorithm to quantify the relationship between user's interest and the keyword of given material

PUBLICATIONS

- Y.J. Yang, W. Zeng, **J.F. Chen**. Equiareal parameterizations of NURBS surfaces. *Graphical Models*, 76(1): 43–55, 2014

HONORS & AWARDS

- Outstanding undergraduate graduation thesis, 2014
- Second Prize in International Contest of Applications in Network of Things (China), 2013
- Merit Scholarship (Top 10%), Shandong University (2011, 2012, 2013)

COMPUTER SKILLS

- *Experienced++* Python, Java, LaTeX, Matlab
- *Experienced* SQL, C/C++, Linux