

RUI ZHI

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Education

Beijing University of Chemical Technology (BUCT)

Beijing, China

B.E. in Computer Science GPA:3.79/4.0 Rank:1/126

Sept.2010 - July.2014

North Carolina State University

NC, USA

Ph.D. in Computer Science

Aug.2014 - May.2019(*expected*)

Research and Academic Experience

3D Face Reconstruction Based on a Single Image

NLPR, Institute of Automation, Chinese Academy of Sciences, Beijing, China

Sept.2013 - June.2014

Research Assistant

Advisor: Prof. Huaiyu Wu

- Studied related algorithms such as Optical Flow, TPS, AAM, 3DMM.
- Assisted with the development of 3D faces reconstruction based on a morphable model using Matlab.

Tiny C Compiler Lexical Analysis and Semantic Analysis

College of Information Science and Technology, BUCT, Beijing, China

Mar.2013 - July.2013

Group Member

Advisor: Dr. Shenghui Shi

- Implemented a Lexical Analyser by converting the regular expressions to minimized Deterministic finite automaton (DFA).
- Implemented a Syntax Analyser for LL(1) and LR(0) grammar using JAVA.

Digit-Recognition Based on Artificial Neural Network

College of Information Science and Technology, BUCT, Beijing, China

Mar.2013 - June.2013

Group Leader

Advisor: Prof. Zhiqiang Geng

- Built a predictor based on a 3-layer feed-forward neural network using the resilient backpropagation algorithm.

Personalized Information Service Based on Web Data Extraction and Analysis

College of Information Science and Technology, BUCT, Beijing, China

Apr.2012 - Apr.2013

Research Assistant

Advisor: Dr. Junxia Guo

Supported by *The National Undergraduate Scientific and Technological Innovation Fund*

- Researched algorithms such as Breadth-first and Best-first to get the best order to access URL
- Wrote programs to collect web data extracted by the page path and preserved them in different file formats according to personalization

Awards and Honors

- Regional Software Developing Talent Competition Second Prize, MIITEC, among 15,000 participants 2013
- Chinese National Scholarship, Ministry of Education of China, Top 1 student of the grade 2013
- Outstanding Student of the Year, BUCT, Top 5 students of the grade 2011-2012, 2012-2013
- National ITAT Second Prize, EMIC, Top 500 among 140,000 participants 2013
- Chinese National Encouragement scholarship, BUCT, Top 5 students of the grade 2010-2011, 2011-2012
- ACM/ICPC Program Design Competition Second Prize, BUCT, among about 200 participants 2011
- First-class People's Scholarship, BUCT, Top 1% among 3,600 students 2010

Computer Skills

Language: Proficient: C | JAVA ; Familiar: SQL | Matlab | \LaTeX | XML | HTML

System: Windows | Linux

Software: Eclipse | Visual Studio | Dreamweaver | Fireworks