Shengjia **Yan**

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Education

Southeast University   *Nanjing, China*

B.S.E. IN COMPUTER SCIENCE & TECHNOLOGY   *Aug. 2013 - Jun. 2017*

- 985 & 211 University
- #29 USNEWS Ranking for "Best Global Universities for Computer Science" (2017)
- GPA: 3.56/4.0
- Courses include: Artificial Intelligence (99/100), Theory of Probability & Mathematical Statistics (96/100), Discrete Structure (93/100), Principles of Communication (96/100), Principle of Database (90/100), Course Design of Compiler Principles (92/100), Advanced Data Structure (91/100), New Technology of Distributed Computing (97/100), Computer Graphics (89/100)

Working Experiences

17zuoye   *Beijing, China*

NLP ENGINEER   *Sept. 2017 - Present*

- NULL

Asiainfo   *Nanjing, China*

SOFTWARE DEVELOPER INTERN   *Dec. 2015 - Apr. 2016*

- Participated in developing the Asiainfo Big Data AIO Machine.

Publications

Tianxing Wu, Shengjia Yan, Zhixin Piao, Liang Xu, Ruiming Wang, Guilin Qi, "Entity Linking in Web Tables with Multiple Linked Knowledge Bases" [PDF]   *Singapore*

JOINT INTERNATIONAL SEMANTIC TECHNOLOGY CONFERENCE (JIST)   *Nov. 2016*

- Accepted as one of fifteen long papers at JIST 2016.

Patents

Tianxing Wu, Guilin Qi, Taiyun Liu, Shengjia Yan, Zhixin Piao, Liang Xu, Ruiming Wang, "A Method of Entity Linking in Web Tables based on Multiple Linked Knowledge Bases"   *China*

CHINA PATENT   *Mar. 2017*

- Publication Number: CN106503148A

Research Experiences

Knowledge Science and Engineering Lab (Led by Prof. Guilin Qi)   *Nanjing, China*

RESEARCH ASSISTANT   *Oct. 2014 - Jun. 2017*

- Studied the knowledge of Artificial Intelligence, Data Mining and Natural Language Processing.
- Participated in several research projects related to Entity Linking (EL).

Entity Linking in Web Tables   *Nanjing, China*

TEAM LEADER   *Oct. 2015 - Oct. 2016*

- Proposed a new general approach that could perform the EL task on Web tables with multiple linked knowledge bases.
- The paper was accepted in the 6th Joint International Semantic Technology Conference (JIST) 2016.
- Designed an EL system for Web tables and the patent was published in China.

Projects

MiniC Editor [Link]   *Nanjing, China*

SOLO   *Oct. 2016 - Dec. 2016*

- Built a GUI editor with syntax highlighting feature for MiniC using Python and Qt.
- Integrated the editor with the MiniC compiler to detect programming errors.

MiniC Compiler [Link]   *Nanjing, China*

CORE MEMBER   *May. 2016 - Jun. 2016*

- Implemented the "Regular Expression -> NFA" converter in Python.
- Implemented the LR(1) parser and relevant semantic analysis in Python.

Course Projects of Artificial Intelligence [Link]   *Nanjing, China*

SOLO   *Mar. 2016 - Jun. 2016*

- Applied neural networks for face recognition.
- Implemented genetic algorithm in Matlab to deal with the functional maximum problem.
- Implemented A* algorithm in C++ to solve the 24 puzzle problem.
- Implemented QS4 algorithm in C++ to tackle the million queens problem.

Entity Linker [Link]   *Nanjing, China*

TEAM LEADER   *Mar. 2016 - Apr. 2016*

- Did research on and compare multiple entity linking algorithms.
- Built an EL system that could associate each mention in a Web table with its referent entity in Wikipedia.

My Minecraft [Link]   *Nanjing, China*

TEAM LEADER   *Sep. 2015 - Jan. 2016*

- Developed a small 3D game similar to Minecraft with OpenGL.

Virtual Campus [Link]   *Nanjing, China*

CORE MEMBER   *Sep. 2015 - Oct. 2015*

- Developed a Java software that could manage student information.
- Added additional features, such as online chat, digital library, online store, etc.

Honors & Awards

2016	**4th Place**, The 12th Programming Contest of Southeast University	*Nanjing, China*
2016	**3rd Prize**, Collegiate Programming Contest of Jiangsu Province	*Jiangsu, China*
2015	**3rd Prize**, The 9th Mathematical Modeling Contest of Southeast University	*Nanjing, China*
2015	**2nd Prize**, The 2nd Short Code Contest of Southeast University	*Nanjing, China*
2014	**Volunteer Star**, Nanjing Youth Olympic Games	*Nanjing, China*
2014	**Honors Student**, School of Computer Science and Engineering, Southeast University	*Nanjing, China*

Extracurricular Activities

International Student Leadership Program at Cal Poly Pomona   *California, USA*

MEMBER   *Jan. 2016 - Feb. 2016*

- Developed my leadership, communication and teamwork skills.
- Awarded the 1st place at the final presentation.

Nanjing Youth Olympic Games Volunteers   *Nanjing, China*

NATIONAL OLYMPIC COMMITTEE (NOC) ASSITANT   *Jul. 2014 - Aug. 2014*

- Assisted officials and players from Kenya NOC at Nanjing Youth Olympic Games.
- Selected as the "Volunteer Star".

Skills & Interests

GRE	317+4.0 (Verbal Reasoning: 150, Quantitative Reasoning: 167, Analytic Writing: 4.0)
TOEFL	100 (Reading: 28, Listening: 28, Speaking: 20, Writing: 24)
Languages	Native Chinese, Fluent English
Programming	C/C++, Python, JAVA, Matlab, LaTeX, Shell, SQL, Assembly language
Research Interest	Artificial Intelligence, Natural Language Processing, Entity Linking