ZIWEN NING

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Seeking for SDE internship at 2019 summer

EDUCATION

University of California, Irvine *Sep 2018 - Mar 2020*
M.S. in Computer Engineering

Xidian University *Aug 2014 - Jun 2018*
B.Eng. in Intelligent Science and Technology
Overall GPA: 3.71/4.00

SKILLS

Computer Languages	C++, Java, Python, Swift, HTML, CSS, JavaScript, Solidity, XML
Tools and Framework	Qt, Xcode, Keras, Git, MATLAB, MySQL, Truffle, React
Operating Systems	Windows, Linux, Mac OS, Android, iOS

INTERNSHIP

Suanier Electronic Technology Co.,Ltd.&
Intelligent Perception and Image Understanding Lab Jul 2017 - Aug 2017
Software Development Intern

- Trained a recursive neural network model for sentiment analysis.
- Used SemEval2015 restaurant reviews dataset and Python passage library and achieved 76.72% precision.
- Was assessed as the outstanding intern by the advisor.

SELECTED PROJECTS

JoinVideo Aug 2018 - Present
Independent Windows App

- A tool for two mates in different computers to enjoy a same video together. The video can automatically be synchronized when either of them pauses or starts the video.
- Used Qt5 for C++ as the frame and TCP for network programming. Implemented a peer-to-peer network instead of the client-server model.

Vograver Jun 2018 - Present
Independent Windows App

- A vocabulary builder with many cool functions, such as building vocabularies in forgetting curve, high speed scanning vocabularies, records and statistics.
- Based on PyQt5 and other Python libraries about XML data migration and image ploting.

Database Management Systems Sep 2018 - Present
Course Project *CS222, UC Irvine*

- Used C++ to implement a record-based file manager, a relation manager, an index manager and a query engine for the database management system.
- Included storage management, buffer management, record-oriented file systems, access methods, query processing, and query optimization.

Syntactic Parsing of English Sentences Jan 2018 - May 2018
Graduation Project *Advisor: Prof. Jing Liu, Xidian U*

- Established two general English parsers, transition based parser and neural network based parser via Word2vec, greedy algorithms, NLTK, TensorFlow.
- For transition based parser, the unlabeled attachment scores on GUM and LinES datasets are 75.67% and 72.49%.
- For neural network based parser, the unlabeled attachment scores are 82.18% and 73.84% on the same two datasets.

AWARDS

Meritorious Winners (International top 18%) of Interdisciplinary Contest in Modeling, USA, 2016

Outstanding Student of Xidian University, China, 2016

National Second Prize of the China Undergraduate Mathematical Contest in Modeling, China, 2015