

JUE WANG

· zjuwangjue@gmail.com · NLP · GitHub @LorrinWWW

EDUCATION

Zhejiang University, Master in Computer Science Sep 2018 - Mar 2021(Expected)

Université Paris Saclay (CentraleSupélec), Master in General Engr. Sep 2016 - Mar 2021(Expected)

GPA: 3.74/4.00, Excellent Eiffel Scholarship 2016, Double Degree Program;

Zhejiang University, Bachelor in Electrical Engineering Sep 2014 - Jun 2018

GPA: 3.90/4.00 (top 10%), The First Prize Scholarship, Excellent Student Scholarship;

PUBLICATION

“Semi-Supervised Few-Shot Learning for Dual Question-Answer Extraction” Nov 2018 - Feb 2019

- Submission to IJCAI 2019. First Author.
- Redefine the key phrase extraction problem as a more open problem of dual question-answer extraction.
- Present a semi-supervised model for dual question-answer extraction.

INTERNSHIP

Rokid - NLP Department, NLP intern Jun 2018 - Dec 2018

- Implement *TextCNN* to address domain classification task. Drawing on the idea of n-gram, by pre-computing the domain score of every three adjacent words, it avoids online computation which reduces computational costs. Deploy a script to automatically update the pre-computed domain score table.
- Implement *BERT* and optimize NER module with *BERT+CRF*, with a macro F1 from 0.91 => 0.96;
- Participate in *IntentTree* Project, which aims to build a tree-structured NLU model addressing the problem of domain transferability. Its branches represent domain-independent intents since domains are constantly changing while intents are relatively stable.
- Maintain the word embedding module (word2vec).

Zhejiang University - DB Lab, Summer Intern Jun 2017 - Aug 2017

- Implement “On summarization and timeline generation for evolutionary tweet stream”, a tweet stream clustering system;
- Address Event Extraction task via sequence labeling model. Specifically, use *BiLSTM+CRF* to tag the attributes of an event, and add an *attention* layer on top of that to classify the type of an event.

PROJECTS

EXACT : text annotation platform, NLP algorithm Feb 2019 - now

- Project in DI(Data Intelligence) Lab of Zhejiang University.
- Aim to assist human annotators with ML model, rule-based system, Active Learning etc.

Lurne : voting platform for CentraleSupélec, Back-end development Dec 2016 - Feb 2017

- One of the backend developers, mainly using Mongo and node.js;
- Participate in the design of the storage structure and APIs; implement functionalities in line with JSON-RPC.

TrelloGement : plugin for renting houses, Chrome plugin development Oct 2016 - Apr 2017

- Agile development: have a meeting with *Theodo* every two weeks to discuss product requirements, evaluate recent work and determine goals of the next phase;
- The idea is to manage information of different rental websites in a unified style on the kanban system, e.g. *Trello*.

MyFoodora : order management system, OOP/Java Mar 2017 - May 2017

- Course grade : 18/20. Apply various design patterns, including factory pattern, observer pattern, strategy pattern, etc.

Tetra : contour drawing of signal strength, Scientific computing Feb 2017 - Apr 2017

- Course grade : 20/20. Implement a quadtree class that iteratively approximates the contour line;
- Use profile tools to monitor and optimize the performance; extend from 2d to 3d.

SOCIAL JOBS

ViaRézo Core Team, Core member of the development department Sep 2016 - Sep 2017

SKILLS

- **Languages**: Fluent in English, French and Chinese.
- **Programming**: Python, C++, SQL; Tensorflow / Keras.