

# JUE WANG

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## EDUCATION

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**Zhejiang University**, Master in Computer Science Sep 2018 - Mar 2021(Expected)  
**Université Paris Saclay (CentraleSupélec)**, Exchange Student Sep 2016 - Jun 2018  
Excellent Eiffel Scholarship 2016;  
**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

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Slot-Filling via Question Answering: A Semi-Supervised Few-Shot Learning Approach 2019

- Focus on a semi-supervised method for slot-filling. In particular, we formulate the task as a slot-question answering task and propose *SAMIE*, which learns to both select and answer slot questions itself (a model trained with both  $(s, a)$  pairs and  $(s, q, a)$  triplets)

EXACT: Attributed Entity Extraction by Annotating Texts 2019

- Accepted by SIGIR 2019. Assistant Presenter.
- Propose a system called *EXACT* for extracting attributed entities from textual documents by performing explorative annotation tasks.

## INTERNSHIP

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**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).

**ByteDance - ByteCamp**, camper Aug 2019 - Sep 2019

- Project Name: Multimodal Classification. Achieve 3rd place in Algorithm Track.

## PROJECTS

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**Court Document IE SDK**, NLP algorithm July 2019 - Aug 2019

- Apply *SAMIE* and *BERT* to extract key information from court documents;

**Event Extraction**, NLP algorithm Jun 2017 - Aug 2017

- Implement "On summarization and timeline generation for evolutionary tweet stream".

**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

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

## SOCIAL JOBS

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

## SKILLS

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- **Languages**: Fluent in English, French and Chinese.
  - **Frameworks**: PyTorch, Tensorflow, Keras.