



Zhuang Chen

Curriculum Vitae



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EDUCATION

- 2018.09-Present **Wuhan University**, Wuhan Hubei 430072, China
PhD student on Computer Software and Theory
- 2014.09-2016.07 **HuaZhong University of Science and Technology**, Wuhan Hubei 430074, China
Master of Engineering on Integrated Circuit
- 2009.09-2013.07 **HuaZhong University of Science and Technology**, Wuhan Hubei 430074, China
Bachelor of Engineering on Electronic Science and Technology

EXPERIENCE

- 2016.07-2018.05 **ZTE R&D Department**, Nanjing Jiangsu 210012, China
Digital Circuit Design Engineer

RESEARCH INTERESTS

Sentiment Analysis

I have lots of experience in aspect-based sentiment analysis (ABSA). I am familiar with the frequently-used ABSA methods and relevant augmenting methods like transfer learning, multi-task learning, domain adaptation, data augmentation, etc.

Information Extraction

I have experience and interests in various information extraction tasks, e.g, financial event extraction, aspect extraction, relation extraction, etc.

PUBLICATIONS

- [1] Bridge-Based Active Domain Adaptation for Aspect Term Extraction
Zhuang Chen, Tieyun Qian
[ACL 2021 \(CCF-A\)](#), [paper](#), [code](#)
- [2] Enhancing Aspect Term Extraction with Soft Prototypes
Zhuang Chen, Tieyun Qian
[EMNLP 2020 \(CCF-B\)](#), [paper](#), [code](#)
- [3] Relation-Aware Collaborative Learning for Unified Aspect-Based Sentiment Analysis
Zhuang Chen, Tieyun Qian
[ACL 2020 \(CCF-A\)](#), [paper](#), [code](#)
- [4] Transfer Capsule Network for Aspect Level Sentiment Classification
Zhuang Chen, Tieyun Qian
[ACL 2019 \(CCF-A\)](#), [paper](#), [code](#)
- [5] Aspect Aware Learning for Aspect Category Sentiment Analysis
Peisong Zhu, **Zhuang Chen**, Haojie Zheng, Tieyun Qian
[TKDD 2019 \(CCF-B\)](#), [paper](#), [code](#)

- [6] Aspect-Level Sentiment Classification with Dependency Rules and Dual Attention
Yunkai Yang, Tiejun Qian, **Zhuang Chen**
[ICONIP 2019 \(CCF-C\)](#), [paper](#)

PATENTS

- [1] A Method, Device, Equipment and Readable Storage Medium for Text Classification
Jing Zhu, Binqiang Pan, Ji Li, Jun Zhang, Ruibin Mao, Tiejun Qian, Xuhui Li, **Zhuang Chen**
CN patent, 111611379A
- [2] A Pixel Voltage Reading Circuit for Continuous Narrow Current Pulse
Guoyi Yu, **Zhuang Chen**, Wei Huang
CN patent, 105425012A
- [3] An Active Address Coding and Output Circuit for APD array
Guoyi Yu, Wei Huang, **Zhuang Chen**
CN patent, 105406856A
- [4] A Four-Channel Selection Circuit for Output Voltage of APD Pixel Block
Guoyi Yu, Wei Huang, **Zhuang Chen**
CN patent, 105357820A

AWARDS

- [1] Outstanding Graduate Award, Wuhan University, 2019, 2020
- [2] Outstanding Academic Scholarship, Wuhan University, 2019, 2020
- [3] Star Teacher Scholarship, Wuhan University, 2019, 2020
- [4] Second-Class Scholarship of Doctoral Forum, Wuhan University, 2019, 2020

INVOLVED PROJECTS

[1] Aspect-level Sentiment Classification

(2018.06-2019.03, at WHU)

Due to the high cost of annotation, the lack of labeled data becomes a major obstacle in the area of aspect-level sentiment classification. We propose a transfer capsule network for transferring the document-level knowledge to the aspect-level task.

[2] Unified Aspect-based Sentiment Analysis

(2019.04-2019.12, at WHU)

The interactive relations among subtasks in ABSA are under-exploited. We propose a relation-aware collaborative learning framework which allows the subtasks to work coordinately via multi-task learning and relation propagation.

[3] Aspect Term Extraction

(2020.01-2020.06, at WHU)

Since the aspect terms and context words usually exhibit long-tail distributions, sequence taggers often converge to an inferior state. We propose to tackle this problem via soft prototypes generated by a soft retrieval process.

