ZHENG-CONG FEI

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EDUCATION

Institute of Computing Technology, Chinese Academy of Sciences   *Sept 2019 - Present*
Master of Computer Application Technology
Advisor: Hao Chi

Nanjing University of Science and Technology   *Sept 2015 - Jun 2019*
Bachelor of Electronic Information Engineering
GPA: 3.75/ 4   Rank: 1/ 165

RESEARCH INTERESTS

Reinforcement Learning; Vision and Language

HONORS & AWARDS

Meritorious Winner	The Mathematical/Interdisciplinary Contest in Modeling (MCM/ICM), 2018
First Prize	China Undergraduate Mathematical Contest in Modeling, 2018
First Prize	MathorCup Mathematical Contest,2018
Second Prize	National Military Mathematical Modeling League, 2017
First Prize	Certification Cup Mathematical Contest, 2017
First Prize	Mathematics competition of Chinese College Students, 2016
First Prize	The Chinese Mathematics Competitions (CMC), 2015

PROJECTS

Research Engine for Mass Spectra
Graduation Project, Institute of Computing Technology   Mar 2019 - Jun 2019
Advisor: Hao Chi
Search engine framework building; Score function optimization.

Multi-Scale Objective Detection
Summer Research Intern, Peking University   Apr 2018 - Oct 2018
Advisor: Jue Zhang
SSD implementationing for object detection; User interface for image display designing.

PUBLICATIONS

Zhengcong Fei. Improving Tandem Mass Spectrua Analysis with Hierarchical Learning, International Joint Conference on Artificial Intelligence (IJCAI), Yokohama, Japan, 2020

Zhengcong Fei. Actor-Critic Sequence Generation for Relative Difference Captioning **(Oral Presentetion)**, ACM International Conference on Multimedia Retrieval (ICMR), Dublin, Ireland, 2020

Zhengcong Fei. Novel Peptide Sequencing with Deep Reinforcement Learning **(Oral Presentetion)**, IEEE International Conference on Multimedia and Expo (ICME), London, UK, 2020

Zhengcong Fei. Fast Image Caption Generation with Position Alignment **(Oral Presentetion)**, AAAI 2020 Workshop on Artificial Intelligence of Things, New York, USA, 2020.

Zhengcong Fei. Better Understanding Hierarchical Visual Relationship for Image Caption, NeurIPS 2019 Workshop on New In ML, Vancouver, Canada, 2019.

Zhengcong Fei, Hao Chi. GameTag: A New Sequence Tag Generation Algorithm Based on Cooperative Game Theory, Proteomics under review.

SKILLS

Languages:	C++; Python
Deep Learning Tools:	Pytorch; Tensorflow
CET-4:	571
CET-6:	551