Xuannan Dong | Curriculum Vitae

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Education

M.S. in Electronic Engineering(Automation) **09/2020–**
University of Science and Technology of China (USTC) *Hefei, Anhui, China*

B.S. in Electronic Engineering(Automation) and Artificial Intelligence **08/2016–07/2020**
University of Science and Technology of China (USTC) *Hefei, Anhui, China*
3.57/4.3, 86.16/100. Ranking:30/140.
Courses: Computer Programming, Computer Networking, Fundamentals of Computer Control, Pattern Recognition, Introduction to Algorithms, Digital Image Processing, Machine Learning, Computer Vision, Natural Language Processing

Publication

1. Bang An, **Xuannan Dong**, Changyou Chen, *Repulsive Bayesian Sampling for Diversified Attention Modeling*, NeurIPS Workshop on Bayesian Deep Learning, 2019.

Experiences

Yelp-like App Development **11/2020–12/2020**
Course Project

- Develop a full-stack, yelp-like application and deploy it with MongoDB Atlas and Heroku. The users are allowed to share their business and experience, and others could rate and leave a review for it.
- I applied HTML, CSS and Javascript to make webpages, and choosed Express from Node.js as the Web application framework, MongoDB as database. Also, User authentication, image upload, Sessions && Cookies are implemented to the App.
- Follow the links to check the project and its source code: Projetc Address,Source Code.

Contestant, CCF Big Data Computing Intelligence Contest **10/2019–11/2019**
University of Science and Technology of China *Anhui, Hefei, China*

- Applied Decision Tree and Support Vector Machine to predict the quality ratio of workpiece in discrete manufacturing process.
- Compared different algorithms and models, tuned parameters to improve the accuracy of the prediction.

Summer Intern, AI Lab **07/2019–09/2019**
University at Buffalo *Buffalo, NY, USA*

- Improve the performance of a pervasive deep learning model Transformer on translation task by generating repulsive samples of the attention parameters, utilizing algorithms including Stein Variational Gradient Descent and Stochastic Particle Optimization.
- Achieved state-of-the-art results on translation tasks, outperformed the baseline model by 0.8 BLEU value on small-scale model and 0.9 BLEU value on base-scale model.

Awards

2019, 2017 The Second Prize Scholarship, School of Information Technology (TOP 16%)

2018 The First Prize Scholarship, School of Information Technology (TOP 6%)

2017 Chen Guilin Leadership Scholarship (One student in each class)

2017 The Third Prize in 110 meter hurdles in Anhui Provincial Games

Skills

Programming Language C, JAVA, Matlab, Python, MySQL.

Test Scores TOFEL: 99, R(26) L(27) S(23) W(23). GRE: 149(V)+170(Q)+3(AW).