Zhenhong Zou

Contact

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* Interest areas: Signal processing, Compress sensing, Optimization

Education

* Aug 2016 – Jun 2020: Beihang University, Beijing (China). School of Mathematics and System Science. Major: Computational Mathematics.
* Machine Learning Related Courses:
  + Convex Optimization, Numerical Analysis;
  + Probability Theory, Mathematical Statistic, Stochastic Process;
  + Introduction to Machine Learning, AI in Action;
* Competition:
  + Mathematical Contest in Modeling 2018

I acted as the team leader and established a model to forecast the population trends of different languages in 50 years. My role was building up datasets for models, coding for different forecasting algorithms and writing the paper.

Research

* *2019.01 – present*

Research assistant in the State Key Laboratory of Software Development Environment. My current research areas are anomaly detection and few-shot learning (meta-learning), including data generalization and Bayesian inference.

* *2018.04 – 2018.10*

Research assistant in the data science lab in my school. I focused on forecasting one-year sales curves for new published books, with only two-year history data of old books. I designed a framework including similar books searching, sales curves decomposition and forecasting. Finally, I finished a 12-page paper to summarize our result, which was submitted to PAKDD 2019.

Skill

* English level: B2 level (communicating without obstacles in most situations).
* Programming: advanced in Python, beginner in C and MATLAB.
* Machine learning framework: sklearn, pytorch.

Honor

* Sponsored by National College Students' innovation and entrepreneurship training program in 2018-2019;
* Social Practice Scholarship in 2017/2018, both rank 1st in my university.
* Cofounder of the biggest student media studio in my university.