Zhangzhi Peng

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Education：

East China Jiaotong University,
Computer Science,
Bachelor student,
Sep.2019-present

Research Experience：

- "Deep Convolutional Neural Networks for Traffic Data Forecasting", prepared to submit to IET Intelligent Transport Systems.

  I have conducted research on traffic flow prediction.
  I proposed a novel architecture motivated by ResNet and 3D posture estimation, bring up a novel idea, time-invariance to model the cyclical patterns of traffic data.
  Perform experiments to show my model achieves the best performance. All the work has been done by myself independently.

- Open source a deep learning wrapper.

  According to the design philosophy of keras, I encapsulated the pytorch code and designed several high-level APIs to make the use of pytorch more convenient.
  I was in charge of writing documentation and developing advanced APIs including(callbacks, metrics, etc).
  From this experience, I learned English document writing, co-development, and deepened my understanding of the usage of git, pytorch, and kera.
  Github link: https://github.com/blueloveTH/keras4torch

Activities/ Honors：

- **Second Prize**:

2020 Jiangxi Smart Transportation Technology Competition

- **Third Prize**:
  2020 Jiangxi Smart Transportation Technology Competition

- **Third Prize**:
  2020 China University Computer Competition-Artificial Intelligence Innovation Competition

  (I was the captain in the three competitions.)

- **Third Prize**:
  East China Jiaotong University Mathematics Competition

- **Third Prize**:
  2020 National College Mathematics Ability Competition

Skills：

- Familiar with python, deep learning framework (pytorch, keras and tensorflow), object-oriented programming, Linux and git.
- Understand C, C++, Java and functional programming.