

TensorFlow

第一次接触 · 完全没有机器学习经验

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TensorFlow 使用的编程语言

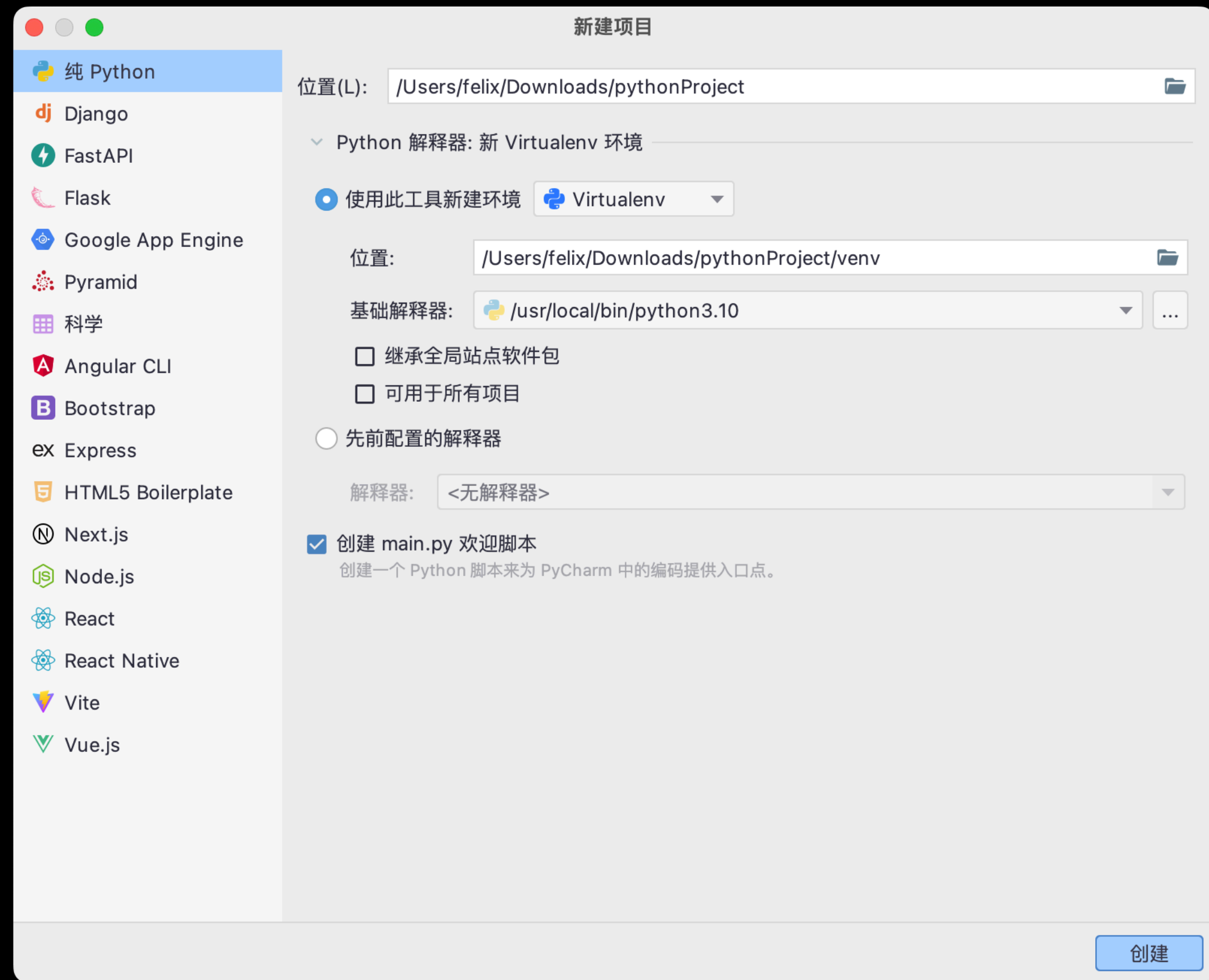
Python 据说很好入门

- Python
- `python3 -m venv ~/venv-metal`
- `source ~/venv-metal/bin/activate`

PyCharm

好的工具事半功倍

- PyCharm # 比较不错的 IDE



tensorflow-macos 2.9.0

慢 但是能正常运行

- Time (s) to convolve 32x7x7x3 filter over random 100x100x100x3 images (batch x height x width x channel). Sum of ten runs.

CPU (s):

0.7309360059998653

GPU (s):

0.21073726100007661

GPU speedup over CPU: 3x

tensorflow-macos 2.11.0

但是是一些训练无法正常运行

- Time (s) to convolve 32x7x7x3 filter over random 100x100x100x3 images (batch x height x width x channel). Sum of ten runs.

CPU (s):

0.7433102519999011

GPU (s):

0.09866539400002239

GPU speedup over CPU: 7x

存储模型

模型是可以不断优化的

- `model.save('rps.h5')`
- `tflite`

预测结果

但是感觉更像是猜测

- `tf.keras.models.load_model('rps.h5')`
- `model.predict(images)`

好像学了 又好像啥也没会

Linux

macOS