

Baidu JDs at Interspeech 2020

1. 高性能计算开发工程师

工作职责:

- 负责语音识别模型训练的高性能计算方面的加速优化
- 负责并行训练平台（GPU 集群）的操作和维护
- 负责识别解码器的声学模型计算模块的计算优化
- 构建各种数据规模下，计算最快的大规模机器学习平台
- 负责实现训练程序自动化训练脚本及流程、效率优化

职责要求:

- 计算机相关专业硕士以上学位
- 精通 C/C++ 编程，熟悉 Linux 平台，有良好的编程功底
- 对数据结构和算法设计有较为深刻的理解
- 熟悉分布式/高性能计算系统，有 MPI、GPU 等开发经验
- 有丰富的大规模机器学习算法开发和应用经验者优先
- 优秀的分析问题和解决问题的能力，对解决具有挑战性问题充满激情
- 具有良好的沟通能力，和良好的团队合作精神
- 具有语音识别相关经验者优先

High Performance Computing (HPC) Senior Engineer

Job Responsibilities:

- HPC architecture designing and developing in speech recognition.
- Parallel computing platform (GPU cluster) developing and optimizing
- Speech recognition decoder optimization

Requirements:

- Master/PhD. in Computing Science
- Professional skill in programming and algorithm designing, familiar with Linux system
- Professional skill in HPC and distributed system, experienced in MPI and GPU
- High quality in problem analyzing and problem solving, passionate about solving challenging problems
- Prior with speech recognition experience

2. 深度学习算法工程师

工作职责:

- 利用深度学习算法进行大规模数据的序列模型建模
- 开发 DeepSpeech 训练平台
- 跟进最新的机器学习算法，推进新算法在语音识别领域的应用

职责要求:

- 精通 C++ 编程，熟悉 Linux 平台，在国际性程序设计竞赛获奖者优先
- 对代码的效率优化和数据结构优化有实践经验者优先
- 对语音识别声学模型有研究经验者优先
- 深度学习、自然语言处理、语音识别、图像处理、模式识别相关专业背景，对深度学习的算法有一定的实践
- 优秀的分析问题和解决问题的能力，对解决具有挑战性问题充满激情
- 具有良好的沟通能力，和良好的团队合作精神

Deep Learning Scientist

Job Responsibilities:

- Deep learning in big scale sequential data modeling
- Deep speech platform developing
- Frontier research in speech recognition

Requirements:

- Master/PhD. in machine learning
- Professional skill in programming
- High quality in deep learning, machine learning and related field
- High quality in problem analyzing and problem solving, passionate about solving challenging problems
- Prior with speech recognition background

Location: Beijing, China

Please send CV to outreach@baidu.com