**腾讯AI Lab犀牛鸟联合研究项目申请书**

**Tencent AI Lab Rhino-Bird Joint Research Project Proposal**

Note: You can use either the Chinese template, or the English one at the end.

**一、 课题负责人基本信息**

|  |  |  |  |
| --- | --- | --- | --- |
| 姓名(中文) |  | 姓名(拼音) |  |
| 职称 |  | | |
| 学校 |  | | |
| 院系 |  | | |
| 电子邮件 |  | | |
| 手机号码 |  | | |
| 微信帐号 |  | | |
| 个人主页 | 请提供个人主页链接；如无，请以附录形式提供个人简历。 | | |
| 快递地址 |  | | |

**二. 研究计划**

|  |  |
| --- | --- |
| 腾讯伙伴 | 请填写腾讯支持该项目的研发人员姓名（如有）。 |
| 申报主题 | 请选择一项  1 Computer Vision Center  1.1 CV - Generation  1.2 CV - Editing  1.3 CV - Analysis and Understanding  1.4 CV - Recommendation  1.5 CV - Vision-driven RL  2 Speech Processing Center  2.1 Far-field Signal Processing  2.2 Speech Recognition  2.3 Speech Synthesis  2.4 Speaker Recognition  3 Natural Language Processing Center  3.1 Natural Language Understanding (NLU)  3.2 Natural Language Generation (NLG)  3.3 Dialogs  3.4 Machine Translation (MT)  4 Machine Learning Center  4.1 Deep learning theory and framework  4.2 Machine learning models and applications  4.3 Unsupervised learning with deep neural networks  4.4 Large scale deep graph learning  4.5 Distributed optimization algorithm  5 Reinforcement Learning Center  5.1 Bridging between simulation and the physical world  5.2 Mastering StarCraft  5.3 Conversational AI |
| 研究题目 |  |
| 研究背景 | 研究问题及其重要性，State of the art及其不足；  言简意赅，避免无意义的长篇大论； |
| 研究目标 | 一句话概括，建议不超过三行。 |
| 技术路线 | 阐述您的技术路线(方法)及其优势；  若需要基于腾讯的系统或数据完成实验，请明确描述所需系统或数据；  言简意赅，避免无意义的长篇大论； |
| 计划进度 | 关键时间节点及该阶段产出。 |
| 预期产出 | 产出一般包括但不限于：技术储备（原型系统、算法模型、专利等）、学术影响（论文）和人才培养（实习生培养）。  产出的计划要遵守SMART原则（具体的、可衡量的、可达到的、相关的、有时效的）。 |
| 概要预算 | 申请资金额度及简要使用计划。 |

**三. 项目组成员及相关研究背景**

**项目组成员**（请勿填写不具体从事该课题的实验室其它人员）

|  |  |  |  |
| --- | --- | --- | --- |
| 姓名 | 职称（老师）  年级（学生） | 手机 | 邮箱 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

项目组成员**相关研究背景**

|  |
| --- |
| （部分项目组成员**近三年**与该项目密切相关的经验和成果，比如发表的文章等） |

**四. 附录**

若有其他需要说明的情况，请以附录形式提供。

**Tencent AI Lab Rhino-Bird Joint Research Project Proposal**

**BASIC INFORMATION**

|  |  |
| --- | --- |
| Faculty (Principal Investigator) **Name** |  |
| Faculty **Title** (Professor, Associate Prof., Assistant Prof. etc.) |  |
| Faculty **University Name** |  |
| Faculty **Department** **Name** |  |
| Faculty university **Email** (please use your university email domain; e.g. “facultyID@univ.edu”) |  |
| Faculty **Phone** (country code, area code as appropriate) |  |
| Faculty **WeChat** (if any) |  |
| Faculty **Physical Mailing Address**  University name  C/O Name (for the attention of)  Building Name  Street address  City, State, Country, Zip code |  |
| URL Link to **Faculty** **CV** |  |
| Tencent Sponsor/Collaborator Name (if any) |  |
| Research Topic | *Pls. select one from the following topics:*  *1 Computer Vision Center*  *1.1 CV - Generation*  *1.2 CV - Editing*  *1.3 CV - Analysis and Understanding*  *1.4 CV - Recommendation*  *1.5 CV - Vision-driven RL*  *2 Speech Processing Center*  *2.1 Far-field Signal Processing*  *2.2 Speech Recognition*  *2.3 Speech Synthesis*  *2.4 Speaker Recognition*  *3 Natural Language Processing Center*  *3.1 Natural Language Understanding (NLU)*  *3.2 Natural Language Generation (NLG)*  *3.3 Dialogs*  *3.4 Machine Translation (MT)*  *4 Machine Learning Center*  *4.1 Deep learning theory and framework*  *4.2 Machine learning models and applications*  *4.3 Unsupervised learning with deep neural networks*  *4.4 Large scale deep graph learning*  *4.5 Distributed optimization algorithm*  *5 Reinforcement Learning Center*  *5.1 Bridging between simulation and the physical world*  *5.2 Mastering StarCraft*  *5.3 Conversational AI* |
| Research Project Title |  |

**RESEARCH PROPOSAL**

Should include but is not limited to the following:

* Research background and problem statement
* State of the art and its disadvantages
* Your research objective (brief summary)
* Your research methods and its potential advantages
* Your research requirements for Tencent to provide, e.g. experiment environment
* Your research schedule
* Expected output
* Applied funding amount and planned use of funds