柯伟辰  ( Tel：185-1184-1030 | Email：weichenzero@126.com/gmail.com | Github：[DarkForte](http://www.github.com/DarkForte) )

* 现就读于北京大学，于网络与信息系统研究所攻读深度学习和强化学习方向博士学位
* 本科毕业于北京工业大学计算机科学与技术实验班，位居专业第一名，获得国家奖学金
* 于微软亚洲研究院实习一年，负责大数据分析平台的开发与研究，获得“明日之星”称号
* 拥有过硬的语言水平，熟练掌握英语（TOEFL 105 | GRE 321+4）和日语（N1 125）
* ACM-ICPC中国区总决赛银牌获得者，同时参加过各种程序设计竞赛，并获得了出色成绩
* 拥有较好的独立调研、写作和演讲能力，富有团队合作精神
* 个人技术博客：https://darkforte.github.io/

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| 教育经历 |  |
| 2012.9 - 2016.6 | **北京工业大学 计算机科学与技术实验班 | 本科 | GPA：3.9/4.0 | Rank：1/44** |
| 2016.9至今 | **北京大学 网络与信息系统研究所 | 机器学习与分布式方向 博士** |
| 实习经历 |  |
| 2015.8 - 2016.7 | **微软亚洲研究院 软件分析组 全职实习生**  负责商业智能相关大数据分析平台项目“BigIn4”的开发、研究与管理。BigIn4是微软Power BI工具中Quick Insights功能的后端，可以主动地分析大数据，给出数据中隐藏的关键信息，并能交互式地回答对于海量数据的分析查询。该项目于微软TAB会议及TechFest上均成功演示。  具体工作和成果如下：   * 设计了新的快速大数据近似查询算法，可在交互式时间之内给出近似查询答案和上下界； * 规划了算法模块整体架构，并参与该算法及若干新功能的开发与调试； * 将平台部署在基于Hadoop和Spark的生产环境中，帮助用户分析了多份实际数据； * 精简了项目系统架构，完善了一系列项目文档和代码注释； * 协调其他实习生的工作，主导项目进度，帮助新来的实习生快速上手；   实习结束时获得了“明日之星”荣誉称号。 |
| 主要奖项 |  |
| 2015 | **2015年ACM-ICPC中国区EC-Final银牌** |
| 2013 | **2013年IEEExtreme 极限编程竞赛全球18名，中国第二名** |
| 2014 | **美国数学建模大赛Meritorious Winner** |
| 2013-2014 | **2014年IBM优秀学生奖学金获得者，2013年国家奖学金获得者** |
| 主要项目 |  |
| 2015.4 | **网络游戏：“Bomber Man Online”**  一个使用Win32+Direct2D完成的网络动作游戏，可支持4人同时对战。我负责了整体架构设计和游戏核心部分，包括其在客户端和服务器的逻辑。 |
| 2017.2 | **Stanford CS231N “CNN在机器视觉中的应用” 课程作业**  **完成了全部三个课程作业，实现了CNN、Batch Norm、LSTM等深度学习的模型，并尝试了图像分类、图像标注等任务。** |
| 2014.6 | **Android App: 智能清扫机器人遥控终端**  这个App的主要功能是通过Wi-Fi与一个由树莓派控制的清洁机器人交互，控制机器人的行动，并实时显示它生成的室内地图以及它的移动轨迹和覆盖区域。 |
| 2014.12 | **Stanford操作系统实验“Pintos”线程调度部分**  该项目中我为一个微型Linux操作系统内核Scheduler完成了优先队列调度部分，并设计了优先级Donation部分的算法。 |

Weichen Ke ( Tel：185-1184-1030 | Email：weichenzero@126.com/gmail.com | Github：[DarkForte](http://www.github.com/DarkForte) )

* PhD student on deep learning and reinforcement learning in School of EECS, Peking University.
* Rank 1st of Computer Science (Honors College) at BJUT, winner of National Scholarship.
* One-year internship in Microsoft Research Asia, received “Star of Tomorrow” title at the end of internship.
* Fluent in English（TOEFL 105 | GRE 321+4） and Japanese（N1 125）.
* ACM-ICPC silver medal winner of EC-Final round in China.
* Good research, writing and presentation skills and teamwork spirit.
* Technical blog: https://darkforte.github.io/

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| Education |  |
| 2012.9 - 2016.6 | **Computer Science (Honors College) at Beijing University of Technology, B.S, 3.9/4.0, 1/44.** |
| 2016.9 to Now | **Institute of Network and Distributed Systems, EECS, Peking University, PhD** |
| Internship |  |
| 2015.8 – 2016.7 | **Full time intern at Software Analytics Group, Microsoft Research Asia**  I acted as a researcher, developer and manager for project “BigIn4”, the backend of Quick Insights feature in Microsoft Power BI. My research aimed to achieve interactive insight mining and query processing on massive data. The project has been successfully demonstrated on TAB meeting and TechFest in Microsoft. My work includes:   * Proposed a new algorithm for interactive approximate query processing on big data. * Implemented the algorithm based on Hadoop and Spark. * Deployed the platform to productive cluster and analyzed a couple of actual datasets. * Refactored the project architecture; Completed documents and comments for the project. * Manage the progress for the project and help new interns onboard.   I was awarded “Star of Tomorrow” title at the end of internship for excellent performance. |
| Awards |  |
| 2013-2014 | **Silver Medal Winner of EC-Final Round of ACM-ICPC contest** |
| 2013 | **Global Rank 18 and China Rank 2 in IEEExtreme Programming Contest, 2013** |
| 2014 | **Meritorious Winner of MCM, 2014** |
| 2013-2014 | **Winner of IBM Scholarship and National Scholarship** |
| Projects |  |
| 2015.4 | **Online Game: “Bomber Man Online”**  An online game based on Win32+Direct2D which supports real time match between four players. I designed the architecture and the game core on both client and server side. |
| 2017.2 | **Assignments for Stanford CS231N:** **ConvNets for Visual Recognition**  I completed all three assignments including implementation of CNN, Batch Norm, LSTM etc. I tried out experiments on image classification and captioning in these assignments. |
| 2014.6 | **Android App: Remote Controller for the Cleaning Robot**  The app can interact with a cleaning robot controlled by Raspberry Pi via Wi-Fi connection, sending instructions to and receive the generated indoor map and covered area from it. |
| 2014.12 | **Thread Scheduling Part of Operating System Experiment“Pintos”from Stanford**  I completed the priority scheduling part and designed the algorithm for priority donation for a mini Linux scheduler in this project. |