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|  | | |  |  | | --- | --- | | 柯伟辰  ( Tel：185-1184-1030 | Email：[laserae86@126.com](mailto:haiyi124@sina.cn) | Github：[DarkForte](http://www.github.com/DarkForte) )   * 就读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 * 拥有过硬的语言水平，熟练掌握英语（TOEFL 105 | GRE 321+4），熟悉日语（N2 148） * ACM-ICPC三场区域赛铜牌，三场邀请赛银牌获得者，同时参加过各种程序设计竞赛，并获得了出色成绩 * 项目经历丰富，软硬件、网络、移动方向均有涉及，自学能力强 * 个人技术博客：<http://blog.csdn.net/u011808175> |  |  |  |  | | --- | --- | | 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**  核心课程成绩：  操作系统原理 95/100 | 编译原理 95/100 | 离散数学 98/100  数据库原理 96/100 | 数据结构和算法 93/100 | 计算机组成原理 98/100 | | | 社团活动 |  | |  |  | | 2012.9至今 | |  | | --- | | **北京工业大学“源代码”科技协会负责人** | | 负责与北京高校的ACM-ICPC社团联系，并为新接触竞赛的同学举办算法入门讲座，主讲人之一。 | | | 主要奖项 |  | | 2013-2014 | |  | | --- | | **2013、2014年上海、北京、陕西ACM-ICPC邀请赛银牌，长春、鞍山、上海现场赛铜牌** | | | 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** | | | 2013-2014 | |  | | --- | | **连续两年获得北川奖学金科技创新团体特等奖** | | | 2014 | |  | | --- | | **2014年Google Code Jam晋级Round 2** | | | | |  |
| 主要项目 | |  |
| 2015.4 | | |  | | --- | | **网络游戏：“Bomber Man Online”** | | 一个使用Win32+Direct2D完成的网络游戏，是一个两人项目，我负责了架构设计和游戏核心部分。 | |
| 2014.6 | | |  | | --- | | **Android App: 智能清扫机器人遥控终端** | | 该项目整体为能生成室内平面地图并自动寻径的智能清扫机器人，这个App的主要功能是通过Wi-Fi来控制机器人并显示它生成的地图。 | |
| 2014.6 | | |  | | --- | | **Verilog描述的五级流水线50指令MIPS处理器（独立项目）** | | 一个支持MIPS常见指令以及中断的简单的CPU，可以下载到FPGA上运行简单的汇编程序。 | |
| 2013-2 | | |  | | --- | | **Windows控制台游戏：“Red Busters: 暗夜的潜行者”（独立项目）** | | 一个类似于Pac-Man的游戏，总共有5关，每关都有不同的地形以及敌人AI，游戏性很强。 | |
| 2014.10 | | |  | | --- | | **Android App：“状态方程计算器”（独立项目）** | | 帮助THU化工系同学做的小工具，输入物质以后查找信息并求解状态方程的计算器。 | |
| 2014.12 | | |  | | --- | | **Stanford操作系统实验“Pintos”线程调度部分** | | 该项目是一个微型Linux操作系统内核，第一部分主要完成线程调度工作。这是一个三人项目，我负责了文档阅读，任务分配，自己完成了优先队列调度部分，并设计了优先级Donation部分的算法。 | |

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|  | |  |  | | --- | --- | | Ke Weichen ( Tel：185-1184-1030 | Email：[laserae86@126.com](mailto:haiyi124@sina.cn) | Github：[DarkForte](http://www.github.com/DarkForte) )   * Rank 1st of Computer Science (Honors College) at BJUT, awarded National Scholarship. * Fluent in English（TOEFL 105 | GRE 321+4）, and familiar with Japanese（N2 148）. * ACM-ICPC silver medal winner of invitational and bronze medal winner of regional contests. * Quick learner with rich project experience in a variety of fields. * Personal Technical Blog: <http://blog.csdn.net/u011808175> |  |  |  |  | | --- | --- | | Education |  | | 2012.9 – 2016.6 | |  | | --- | | **Computer Science (Honors College) at Beijing University of Technology, B.S, 3.9/4.0, 1/44**  Core Curriculum:  Operating Systems 95/100 Compiler Principles 95/100  Computer Organization 98/100 Discrete Mathematics 98/100  Database Theories 96/100 Data Structure & Algorithms 93/100 | | | Activities |  | | 2012.9 To now | |  | | --- | | **Core Member of Programming Club“Source Code”**  Communicate with universities in Beijing and hold lectures on algorithms for freshmen. | | | Awards |  | | 2013-2014 | |  | | --- | | **Silver Medal Winner of Shanxi, Beijing, Shanghai ACM-ICPC Invitational Contests** | | **Bronze Medal Winner of Anshan, Shanghai, Changchun ACM-ICPC Regional Contests** | | | 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** | | | 2013-2014 | |  | | --- | | **Two years’Winners of Kitagawa Technology Innovation Special Scholarship for Teams** | | | 2014 | |  | | --- | | **Advanced to Round 2 of Google Code Jam** | | | |  |
| Projects | |  | | |
| 2015.4 | | |  | | --- | | **Online Game: “Bomber Man Online”**  An online game based on Win32+Direct2D. I designed the architecture and the game core. | | | |
| 2015.3 | | |  | | --- | | **Android App: Remote Controller for the Cleaning Robot**  The project is a cleaning robot with 2D indoor map generating and self-navigating features. The app can control the robot and display the map generated by it via Wi-Fi connection. | | | |
| 2014.6 | | |  | | --- | | **Five-level Pipelined MIPS Mini Processor Based on Verilog ( Individual Project )**  A Mini CPU that supports common instructions and interruptions, and can be downloaded to FPGA to run some simple assembly code. | | | |
| 2013.2 | | |  | | --- | | **Windows Console Game: “Red Busters: Sneaker in the Darkness”( Individual project )**  A game like Pac-Man with 5 stages, each of them has different terrains and enemy AI. | | | |
| 2014.10 | | |  | | --- | | **Android App: “Status Formula Calculator” ( Individual project )**  An app that I made for my classmates in Chemical Engineering Department of THU, which accepts substances, searches for information and solves status formulas. | | | |
| 2014.12 | | |  | | --- | | **Thread Scheduling Part of Operating System Experiment“Pintos”from Stanford**  In this project we completed the thread scheduling part for a mini Linux. I read the document, completed the priority scheduling part and designed the algorithm for priority donation. | | | |