

CHEN GANG

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PROJECTS

Pedestrian and vehicle project

Nov 2016 - Present

- Modified PVANET to detect pedestrian, pedestrian body parts, vehicles and cyclist 29 frames per second using caffe.
- Improved pedestrian's head 21% recall when false positive per image = 0.1.

NIST Tatt-E challenge

Oct 2016 - Present

- Used PVANET, ResNet-152 to classify, detect and identify tattoo images, and submitted dynamic link library.
- Used tattoo detection to remove background, improve 2% accuracy tattoo identification.

Campus Sharing Book APP

March 2015 - May 2015

- An Android APP to post and gain information of books, and to chat with other users, which is implemented in Java and PHP.
- Crawled users' information from website of school.

HONORS

- The 5th Blue Bridge Cup National Software Contest Finals, First Prize 2014
- The 38th ACM-ICPC Asia Regionals, 2 Bronze Medals 2013
- The 5th - 7th ACM-ICPC Henan Provincial Programming Contest, 3 Gold Medals 2012-2014
- National Encouragement Scholarship 2013

EXPERIENCE

Baidu Map

March 2015 - May 2015

RD Intern

Beijing, China

- Optimized 2.5 million navigation coordinates of points of interest (POI) of 80 million POI in Baidu Map, about 3%.
- Generated users driving and navigation paths according navigation GPS log files, which used to compute and analyze yaw points.

TECHNICAL STRENGTHS

Computer Languages

C/C++, Python, Lua, Java, Shell, PHP, L^AT_EX, JavaScript

Tools

Caffe, Torch, Git, Vim

English

CET-4, CET-6

EDUCATION

University of Chinese Academy of Sciences

September 2015 - July 2018

M.S. in Computer Applications Technology

Zhengzhou University

September 2011 - July 2015

B.S. in Computer Science and Technology

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实习经验

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|---------------------------------------------|-----------------|
| 百度地图 | 2015.3 - 2015.5 |
| 研发实习生 | 北京, 中国 |
| · 从百度地图 8 千万的兴趣点中, 优化了 250 万兴趣点的导航坐标, 约 3%。 | |
| · 利用导航 GPS 日志数据生成用户行车和导航轨迹, 并用此来计算和分析偏航点。 | |

项目经验

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|----------------------------------------------------------|------------------|
| NIST Tatt-E challenge | 2016.11 - 2017.2 |
| · 编写纹身标注工具, 对纹身图像进行标注。 | |
| · 利用深度学习对纹身图像进行分类, 检测和检索, 并编写动态链接库。 | |
| 郑大书享 | 2015.3 - 2015.5 |
| · 一个用 Java 和 PHP 实现的安卓 APP, 可以发布、获取图书信息和其他用户聊天。 | |
| · 抓取了用户在学校网站的个人信息。 | |
| fzrOJ | 2013.6 - 2013.9 |
| · 一个用 C++ 和 PHP 实现的在线程序评测系统, 可以编译和执行被提交的代码, 并且测试代码运行的结果。 | |

荣誉奖励

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| · 第 5 届蓝桥杯全国软件设计竞赛总决赛 一等奖 | 2014 |
| · 第 38 届 ACM/ICPC 亚洲区域赛 铜奖 2 次 | 2013 |
| · 第 5 - 7 届河南省大学生程序设计竞赛 金奖 3 次 | 2012 - 2014 |
| · 国家励志奖学金 | 2013 |
| · 优秀学生奖学金 二等奖 | 2014 |

技能

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|------|-----------------------------------------------------------------------------------|
| 编程语言 | C/C++, Python, Lua, Java, Shell, PHP, L ^A T _E X, JavaScript |
| 工具 | Caffe, Torch, Git, Vim |
| 英语 | CET-4, CET-6 |

教育经历

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|-------------|-----------------|
| 中国科学院大学 | 2015.9 - 2018.7 |
| 计算机应用技术 硕士 | |
| 郑州大学 | 2011.9 - 2015.7 |
| 计算机科学与技术 学士 | |