

CHEN GANG

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PROJECTS

Pedestrian and vehicle project

Nov 2016 - Present

- Modified and trained PVANET, a deep neural network, 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 deep neural networks 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

- 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

陈 钢

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项目经验

人车项目

2016.11 - 现在

- 修改和训练了深度神经网络 PVANET, 使用了 caffe 框架, 以每秒 29 帧的速度检测行人、行人的身体部件、车辆和骑自行车的人。
- 在十图一误检时, 行人头部检测的召回率提升了 21%。

NIST Tatt-E challenge

2016.10 - 现在

- 利用 PVANET, ResNet-152 深度神经网络对纹身图像进行分类, 检测和检索, 并提交动态链接库。
- 使用纹身检测器去除图片背景, 提升 2% 纹身匹配准确率。

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。

荣誉奖励

- 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

实习经验

百度地图

2015.3 - 2015.5

研发实习生

北京

- 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。

技能

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

工具 Caffe, Torch, Git, Vim

英语 CET-4, CET-6

教育经历

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