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Github: https://github.com/Yidadaa

DOB: 20/01/97
Chengdu, China

教育背景

荣誉 & 奖项

硕士,电子科技大学 2018.09 - 2021.06 计算机科学与工程学院,计算机科学专业

学士, 电子科技大学 2014.09 - 2018.06 英才实验学院(工科实验班), 计算机科学专业

研究生二等学业奖学金2019.10OPPO AI 挑战赛人像分割任务 决赛优秀奖2019.04OPPO AI 挑战赛人像分割任务 复赛第一名2019.03研究生一等学业奖学金2018.10美国大学生数学建模竞赛 H 奖2017.02

实习 & 研究经历

▶ 软件开发实习生 @ 亚马逊北京

2020.07 - 至今

● 负责移动端基础架构部存储相关的功能调研、设计和开发,为亚马逊 MShop 客户端应用提供可靠、快速、高效的存储支持。

▶ 算法开发实习生 @ 腾讯深圳 AI Lab Robotics X 实验室

2019.11 - 2020.06

- 负责开发三维重建算法,实现实时点云数据流传输算法,并提升动态场景下三维重建算法的可用性。
- 优化 Elastic Fusion 三维重建算法,使用 C++ 为该算法编写 Kinect 相机驱动,同时负责 VoxBlox 三维重建算法 与 ORB-SLAM 系统对接,使用 C++ 编写 ROS 数据传输接口,并调研实时数据流传输算法的性能。
- 基于 Elastic Fusion 重建算法,优化 GPU 到 CPU 之间的数据同步性能,开发实时点云数据流传输以及渲染算法,配合实时动态标定,实现虚拟环境下的机器臂控制操作并对其实时性、丢包率等性能设计实验进行验证。
- 关键字: 三维重建、实时数据流传输、高性能算法、C++
- ▶ 前端开发工程师(在校远程兼职)@ 尘微科技

2017.12 - 2019.03

- 远程参与该公司某医疗微信小程序的开发工作,主要负责小程序首屏和社区动态流页面的开发,协调小型团队从需求分析到上线的全套流程,并主要解决高性能 CSS 动效实现、首屏动态布局和 Feed 流长列表优化等技术难点。
- 关键字: 远程协作、中型项目开发经验、Git 工作流、小程序开发、Vue
- ▶ 前端开发实习生 @ 百度北京

2016.12 - 2017.05

- 参与百度凤巢的广告智能推荐系统的前端页面开发,负责智能词条推荐界面的开发并参与该功能的上线和后续维护工作,掌握并熟悉 React & Redux 框架的开发流程,产出高质量的工程代码。
- 关键字: 团队合作、大型项目开发工作流、React & Redux、Git 工作流

开源项目 & 编程能力

leetcode-cn.com/u/yidadaa/, (C++ / Python) 全站排名 ≈ 500	2020.05
刷题量 ≈ 800 ,常用编程语言: $C++$ / $Python$,熟练掌握常见算法与数据结构以及算法性能分析。	
github.com/Yidadaa/Issue-Blog-With-Github-Action, (Vue / Javascript) ≈ 1000 lines	2020.01
基于 VuePress 和 Github Actions 功能构建的免服务器部署、SEO 友好的博客系统。	
github.com/Yidadaa/Parallel-Programming-On-GPU, (CUDA / C++) ≈ 200 lines	2018.11
使用 CUDA 加速 n -body 模拟程序,加速比 $pprox$ 3000。	
github.com/Yidadaa/Captcha-Deep-Learning, (Python / Keras / Tensorflow) ≈ 500 lines	2018.01
端到端验证码识别网络,分别使用 Keras 和 Tensorflow 实现,在测试集上达到 98% 的准确率。	
github.com/Yidadaa/OPPO-Human-Segmentation, $(C++ / Dart) \approx 1000$ lines	2019.03
OPPO AI 挑战赛 Demo 源码,将人像语义分割网络经过腾讯开源的 ncnn 框架转换后部署到移动端。	
github.com/Yidadaa/HUAWEI-Codecraft-2019, (C++) ≈ 1000 lines	2019.05
华为软件精英挑战赛,车辆路径智能规划,使用 gtest 进行单元测试,遵循 Google C++ Style Guide。	
https://github.com/Yidadaa/P2P-Message, (Dart) ≈ 1000 lines	2018.11
分布式系统大作业,基于 Flutter 开发的 P2P 聊天程序,在良好的 NAT 环境下实现纯文字聊天。	

Zhang Yifei Software Engineer

Mail: flynn.zhang@foxmail.com Blog: https://blog.simplenaive.cn Github: https://github.com/Yidadaa

Education Honors

MSc. UESTC	2018.09 - 2021.06	Second Prize for Postgraduate Scholarship	2019.10
Computer Science, Dept. of Computer Science and Engi-		OPPO AI Challenge Segmantation Track	
neering		Excellence Prize	2019.04
B.Eng. UESTC	2014.09 - 2018.06	First Prize for Postgraduate Scholarship	2018.10
Computer Science, Yingcai Honors Co	ollege of UESTC	MCM Honorable Mention	2017.02

Experience

► Software Engineer Intern @ Amazon Beijing

from 2020.07

• Prototyped, designed and implemented Storage Service Module for IOS MShop client.

▶ Research Software Engineer Intern @ Tencent.Inc AI Lab Robotics X

2019.11 - 2020.06

- Surveyed and optimized real-time 3d reconstruction algorithms, implemented Kinect camera driver for Elastic Fusion 3D reconstruction algorithm, implemented ROS message passing interface for Voxblox and ORB-SLAM.
- Developed a real-time 3D data streaming algorithm, and optimized the latency and robustness of the algorithm.
- Developed a virtual reality robot control system, combining 3D real-time reconstruction, dynamic calibration and high-performance 3D rendering.

▶ Software Engineer (Part-Time & Remote) @ Sibbay.Inc

2017.12 - 2019.03

- Sibbay.Inc builds a new fitness and health data sharing community for the people, provides a private and secure health data sharing system for users and their doctors.
- Designed and validated new features in online meetings. Built and optimized the workflow based on Github, and reviewed the code and ensured the quality of the source code.
- Balanced requirements, UX, and deadlines in order to get most of the business value in a limited timeframe.

► Software Engineer Intern @ Baidu.Inc

2016.12 - 2017.05

- Baidu FengChao is the core marketing department of Baidu.Inc, provides marketing services for over 8 hundred thousand of enterprise users.
- Implemented the new features of Baidu advertisement system, worked with UI/UX designer, PM, QA and backend developer and bridged the gap between graphical design and technical implementation, optimized application for maximum speed and scalability, and built reusable code for future use.

Projects & Skills

github.com/Yidadaa/Pytorch-Video-Classification, (Python / Pytorch) ≈ 500 lines Make Action Classification on Videos using CNN-RNN, achieves 80% accuracy on UFF101 Dataset.	2019.04
github.com/Yidadaa/Satellite-Imagery-Segmantation-Deeplab, (Python / Pytorch) ≈ 1000 lines Satellite Imagery Segmantation using Deeplabv3.	2019.05
github.com/Yidadaa/Parallel-Programming-On-GPU, (CUDA / C++) ≈ 200 lines Accelerate simulation of n-body problem using CUDA, 3000x faster after accelerating.	2018.11
github.com/Yidadaa/Captcha-Deep-Learning, (Python / Keras / Tensorflow) ≈ 500 lines Recognize captcha using an End-to-End CNN pipeline, achieves 98% accuracy on custom Dataset.	2018.01
github.com/Yidadaa/OPPO-Human-Segmentation, (C++ / Dart) ≈ 1000 lines Deploy deeplabv3 human segmantation model to mobile platform using Tencent NCNN framework.	2019.03
github.com/Yidadaa/HUAWEI-Codecraft-2019, (C++) ≈ 1000 lines Code for HUAWEI Codecraft 2019, contains unit testing, following Google C++ Style Guide.	2019.05