GPA or not GPA?

辛学长分享

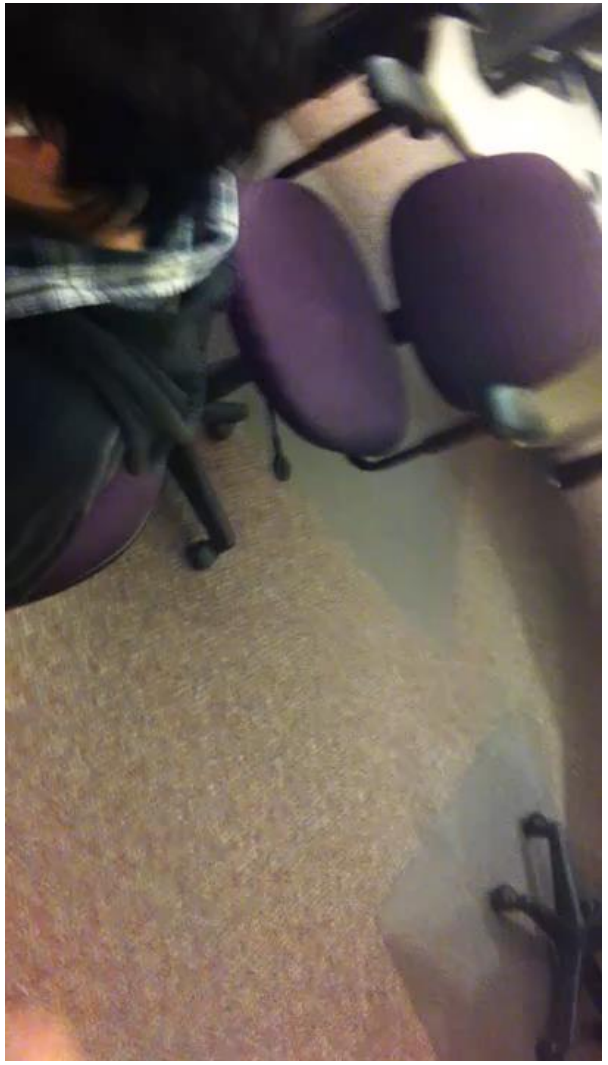
Not

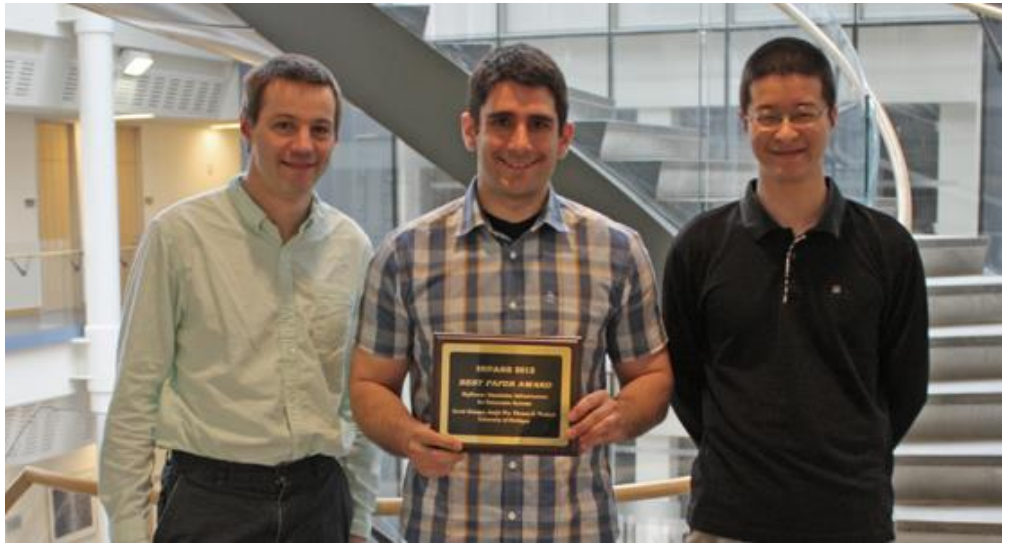
辛老师分享

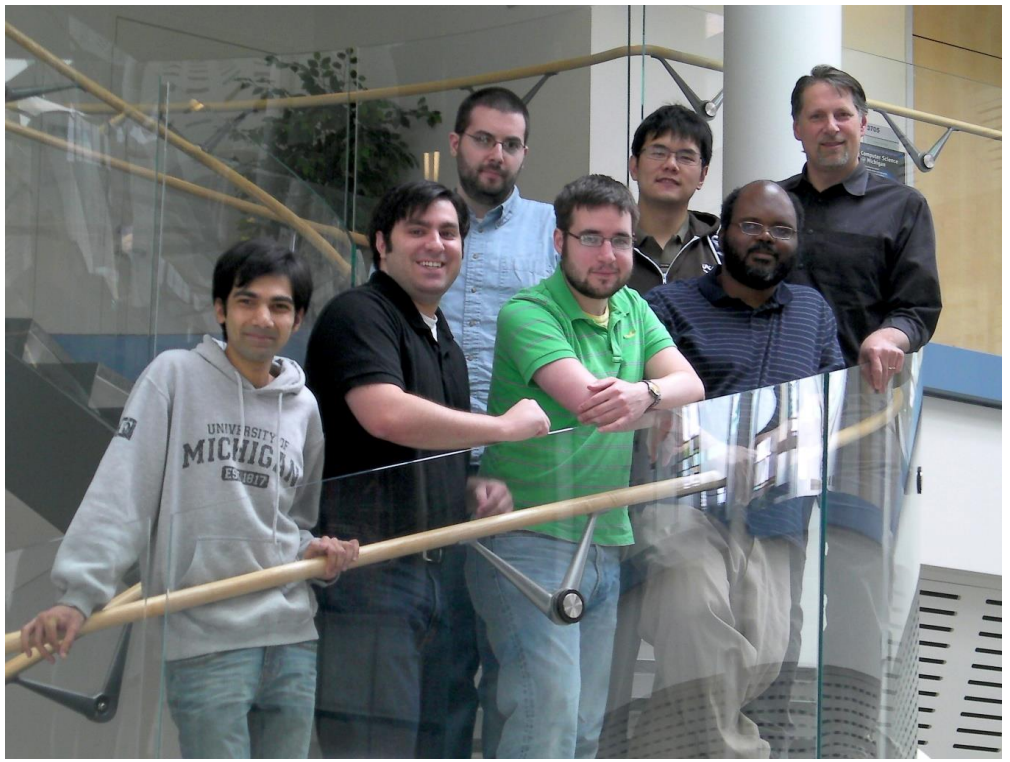
我不是学霸

学渣要怎么去CMU?

- 推荐信!
- 推荐信!
- 推荐信!
- 当然还有努力







为什么卷GPA不健康？

- 科研深造
- 创业
- 工作

优秀的科研申请package – 武大

Research Experience

Oct 2018 | Jul 2018 — Research Topic: Deep-learning-based Liver Tumor Segmentation
Sensing Intelligence, Geoscience and Machine Learning Lab
Supervisor: Bo Du (*IEEE Senior Member*)
Challenges:
1. CT images' low resolution and blurred details.
2. The lack of a large quantity of high-quality dataset.
3. The difficulty of combining 2D local details and 3D global information.

My Contribution:
1. Designed a fully convolutional network (FCN) based on U-Net and DenseNet.
2. Attended the Liver Tumor Segmentation (LiTS) Challenge held by MICCAI.
3. My network's accuracy (Dice Global) of the liver segmentation reached 0.957.

Projects

Sep 2019 — A Parallel Ray Tracing Render Based on CUDA | Project Homepage
the Course Project of Computer Graphics
In this project, I implemented a parallel ray tracing render accelarated by NVIDIA CUDA. The algorithm was also optimized by a BVH (Boundary Volume Hierarchy) tree with SAH (Surface Area Heuristic).

Sep 2018 — A Simple Implementation of Neural Network Based on C++ | Code on Github
the Course Project of Advanced Programming Language, Supervisor: Chengyu Tan
Implemented a full-connected network based on C++, which supported backward propagation and mini-batch SGD. The network was verified by the MNIST dataset.

May 2019 — Pipelined MIPS Processor | Code on Github
the Experiment of the Principles of Computer Organizaton, Supervisor: Aiping Xu
Implemented a 5-stage pipeline MIPS processor based on Verilog HDL. The processor supported bypass and stall. The code was programmed to Xilinx Artix-7 FPGA platform and verified by a sort function written in MIPS.

Professional Skills

Algorithms & Data Structures:	3-year experience in programming contests
C/C++:	3-year experience in programming contests
Python:	1-year experience
Java:	Experience in building an E-mail client application
Matlab:	Intermediate
Verilog HDL:	4-month experience in building a CPU
Tensorflow:	4-month experience in deep learning-based biomedical imaging
CUDA:	2-month experience in building a parallel ray tracer
LaTeX:	4-year experience

Scholarships

Oct 2018	National Scholarship (*Ranking: 1st out of 341 students*)	*the Ministry of Education*
Oct 2018	the First Class Scholarship	*Wuhan University*
Nov 2019	Sensetime Scholarship(*Nominee*) (*Selected from exceptional students of China's top-ranked universities*)	*Sensetime Group*

Prizes

Silver Medal	The Winter Camp of National Olympiad in Informatics	2016
Silver Medal	China Team Selection Competition	2016
Bronze Medal	National Olympiad in Informatics	2016
Third Prize	Tsinghua University Summer Camp	2016
Bronze Medal	Asia-Pacific Informatics Olympiad(China District)	2016
Bronze Medal	Asia-Pacific Informatics Olympiad(China District)	2015
First Prize	National Olympiad in Informatics in Provinces	2015
First Prize	National Olympiad in Informatics in Provinces	2014

优秀的科研申请package – 北交

RESEARCH EXPERIENCE

Leveraging Multi-Modality Data to Airbnb Price Prediction Dec., 2019-Present

Served as the core member of development team

- Innovated traditional single-data price prediction model based on the accommodation data of various regions in the world provided by the official website of Airbnb. The data includes housing property, geographical location and user comments.
- Applied linear regression, XGBoost and other mainstream machine learning algorithms to train the data from principal component analysis. Fitting the predicted price with the real price to obtain a prediction model with high accuracy.
- Coding with Python to do data preprocessing, sentiment analysis, model training, and prediction result evaluation.
- Wrote a paper which is prepared for publication.

COVID-19 Outbreak Real-time Dynamic Systems Mar., 2020-May.,2020

Served as the database developer

- Using Java and MongoDB to complete the establishment and operation of back-end database.
- Did the test and maintenance work of the project.

Cholera – Save the World: 3D Card Combat Game Development Sep., 2019-Present

Served as the core member of development team

- Using Java JSFML and jMonkeyEngine game engine to complete the main game logic.
- Achieved report writing, map scene modeling using Blender, game page design and interactive implementation, and game testing.

The Inhibitory Effect and Influence Degree of Lockdown on COVID-19 Apr., 2020-Present

- Using Google mobility data to analyze the flow of people to various places before and after the lockdown of American states
- Put forward the lockdown stringency score based on the analytic hierarchy process and CRITIC methods
- Wrote a paper which is prepared for publication.

INTERNSHIP

Alibaba Network Technology Co. Ltd Hangzhou, China Jul.,2019-Aug.,2019

Intern in Cloud Computing Development Department

- Learnt the knowledge of back-end operation and maintenance, learnt how to use Linux, git, and docker.
- Achieved Kubernetes cluster construction and deployment, realized container application management.

PRACTICAL EXPERIENCE

BJTU Enrollment Advertising Social Practice Activities in Winter Vacation Nov., 2018-Apr., 2019

Served as Deputy Chief

- Led a community formed by 46 members aiming at publicizing the university and motivating High-school students
- Titled the Advanced Individual

The 28th Youth League School of BJTU and the 12th BJTU Elite Training Camp Aug.,2018

- Won the top ten in the Lide Speech Contest
- Named the Superior Participant title

AWARDS &HONORS

Awarded twice national scholarship, Ministry of Education of China Nov., 2018 & Nov.,2019
Awarded twice second-level BJTU superior learning scholarship Dec., 2018 & Dec., 2019
Awarded twice first-level BJTU social work scholarship, BJTU Dec., 2018 & Dec., 2019
Awarded twice BJTU social practice scholarship, BJTU Dec., 2018 & Dec., 2019
Awarded the third prize in Painting and Calligraphy competition of BJTU Apr., 2019
Awarded the third prize in "Innovation, Creativity and Entrepreneurship" challenge competition for college students of BJTU May.,2019
Awarded the second prize in the Preliminary Round of the 2019 "FLTRP · ETIC Cup" English Writing Contest Nov., 2019
Awarded as Honorable Mention in MCM/ICM Apr., 2020
Titled twice the "Superior student" of the BJTU Dec., 2018 & Dec., 2019
Titled twice the "Excellent league member" of the BJTU Dec., 2018 & Dec., 2019
Titled twice the "Outstanding Student Cadre" of the BJTU Dec., 2018 & Dec., 2019

JI Package

EDUCATION

Shanghai Jiao Tong University (SJTU), Shanghai, China

University of Michigan – Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)

B.Sc. in Electrical and Computer Engineering *Sept 2017 – Aug 2021(expected)*

GPA: 3.68/4.0

University of Wisconsin – Madison, Madison, US

Exchange Jan 2020 – May 2020

GPA: 4.0/4.0

PROJECTS

Fatigue Driving Testing Glasses

VG100 Introduction to Engineering, **Team Member** *June 2018 – Aug 2018*

- Designed a circuit collecting and analyzing bioelectric signals from human eyes
- Designed algorithm based on electro-oculogram to judge driver's condition
- Wrote a software program to implement the algorithm in Arduino
- Built a pair of glasses holding the electrodes to avoid blocking eye sight

Compiler for Subset of C/C++ Language

CS536 Intro to Compilers and Programming Languages *Jan 2020 – May 2020*

- Built scanner, parser, nameAnalyzer, typeChecher, MIPS code generator

UAV and machine learning based Precision Agriculture

University of Wisconsin - Madison, ECE Department *Feb 2020 - present*

- Wrote literature review

SELECTED COURSES

- VE280 Programming & Elem. Data Structures A
- VE281 Data Structures and Algorithms A
- VE370 Intro to Computer Organization A
- CS536 Intro to Compilers and Programming Languages A
- CS567 Medical Image Analysis A

WORK EXPERIENCE

Undergraduate Education Office, UM-SJTU JI

Class assistant *Sept 2018 – Aug 2019*

- Guided around 30 freshman students to finish their registration
- Gave guidelines about school life in various aspects to freshman students
- Helped the class teacher in administrative works like organizing class meetings

Undergraduate Education Office, UM-SJTU JI

Teaching assistant (VP241: Physics Lab II) *Sept 2019-Dec 2019*

- Gave lab introduction
- Gave lab demonstration
- Graded lab reports

EXTRA-CURRICUAR ACTIVITIES

Member, Student Union, UM-SJTU JI *Sept 2017 – Aug 2018*

Buddy of exchange students, International Programs Office, UM-SJTU JI *May 2018 – Aug 2018*

COMPUTER SKILLS

Programming: C/C++, java, python, MATLAB, Verilog

Software: Origin, LaTeX

LANGUAGE PROFICIENCY

Mandarin (Native)

English (Fluent, TOFEL iBT: 111)

没用的推荐信

尊敬的院校领导：

您好！现有我人工智能学院 17 级智能科学与技术专业[redacted]同学准备攻读贵校的研究生，特向您予以推荐！

我担任了该同学本科阶段的《软件工程》和《数字信号处理》等课程的教学，与其接触和交流过程中，发现该同学在思想方面积极向上，性格谦逊，尊敬师长，学业上勤奋刻苦，工作认真细致，基础知识掌握比较扎实，前五学期课程成绩排名优异。在专业课程的学习上，该生系统认真地研读专业核心课程，同时主动涉猎其他相关课程丰富视野拓展思维。该生科研兴趣浓厚，有一定的科研素养。2019 年申请到"国家大学生创新创业训练计划"项目，并参与过一些学术竞赛。该同学的英语水平良好，大二通过了英语四、六级考试，课余时间阅读一些相关的英文文献，为以后研究生阶段阅读文献和撰写英文论文做好了铺垫。

综上所述，该同学符合贵校的选拔条件，具有很好的培养潜能。在此，予以推荐，希望审核通过！

你想要的推荐信1

尊敬的评审委员会：

[redacted]同学是同济大学软件学院 2017 级的本科生，主修软件工程专业，预计 2021 年 6 月份将完成本科学习，进入下一阶段的深造。作为该生两门本科课程的任课教师，以及该生所参与的部分科研项目的指导教师，基于我对该同学在专业水平、学习能力和研究特质上的了解，特向贵校推荐该生，参加此次夏令营活动。

[redacted]同学在大二即选修了我所讲授的大三专业课程，移动应用开发。在课程中，为了更好考核学生的实践能力以及对设计方法的理解程度，学生必须完成一次课内计时编程测验，题目有一定的应用上下文和功能导向。由于时间约束，加之现场完成的压力感，该编程测验对于学生有一定挑战。出乎意料的是，[redacted]同学不仅在规定时间内完成了要求的程序实现，并且在项目结构、代码质量以及编程风格上表现优异，代码简洁而优雅，反映了该生非常扎实的逻辑思维能力、编程能力以及对于开发的深层次理解。也因此，该生给我留下了深刻的印象。

后续，在我和另外一位教授联合授课的《系统分析与设计》课程中，[redacted]同学同样展示了优异的分析思考能力，尤其是对于专业技术的钻研和学习精神，使得他作为组长的小组在课程项目中获得了优秀的成绩，并且在答辩中向其它同学做了很好的技术分享。由此，基于其突出的学习能力和问题导向分析习惯，该同学展现了出色的研究潜质，非常适合于进一步的研究生学习和科研工作的历练。

鉴于该同学突出的分析思考能力和优异的技术开发水平，并考虑该同学自身的钻研兴趣。我也接受该同学加入了实验室，参与一些科研项目的研究助理工作，并以软件源代码分析、代码库挖掘以及源代码自动化学习作为该同学的一个初步研究培养方向。

近一年来，该同学参与了实际科研项目的研究和应用工作，并参与了一些理论探索研究工作。其中 SQLSmartTips 项目，结合某超大型证券公司的数据密集型测试管理平台的创新需求，在日常自动化测试工具的数据准备系统中，应用机器学习模型增强代码的自动完成提示功能。最终实现了在数据准备和自动化接口测试脚本编辑环境中，提供 SQL 脚本与领域知识和上下文业务功能相关的代码自动补全和语义错误排查功能，目前已经投入生产环境应用。该同学直接参与了 SQL 代码历史数据的清洗、预处理和初步解析，并与研究生学长协同工作，完成了初步的 seq2seq 模型的训练。在项目过程中，该同学不仅展现了很好的研究潜质，还能够从工程角度提出一些很好的思路和解决方案，反映了突出的综合素质。

此外，该生参与了软件依赖库推荐模型的研究工作，参与了论文 Req2Lib: A Semantic Neural Model for Software Library Recommendation 的研究工作，最终该论文发表于 CCF-B 类会议 SANER 2020。该工作弥补了软件库推荐方向缺少的从需求文档这一重要软件开发产物出发进行推荐的可行解决方案，比较具有创新性。该同学主要负责了文献调研、baseline 的训练和最终模型的优化。该工作也反映了[redacted]同学的研究潜质。

综合来看，[redacted]同学是一个成绩优异、专业能力突出和学习技能扎实的优秀本科生，具备了出色的研究潜质，并已经有一定的应用研究和学术研究经验和初步成果。同时，该生严于自律、追求卓越、热爱新技术、勇于接受挑战、团队合作能力出色、为人正直、待人温和。基于我对该生的了解和直接的观察，特向贵校大力推荐该生，希望该生未来能有出色的培养环境和实践机遇，成长为卓越人才。

如需进一步信息，可随时通过邮件或电话联系我。谢谢！

创业

- 我的同学不乏创业者:
  - 吴迪
  - 王驰
  - 李龙跃
  - 黄海
  - 随少龙
  - 周佳骥
  - 胡榛
  - George Hotz
  - ……

有情况？神秘男为周扬青庆生 系章泽天校友超帅气

2020-09-11 08:08:37 来源: 网易娱乐 举报

494

易信

微信

QQ空间

微博

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周扬青与胡榛

吴笛怎么创业的?

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act视觉系统设计

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评论 0

分享

微信分享

新浪微博

QQ空间

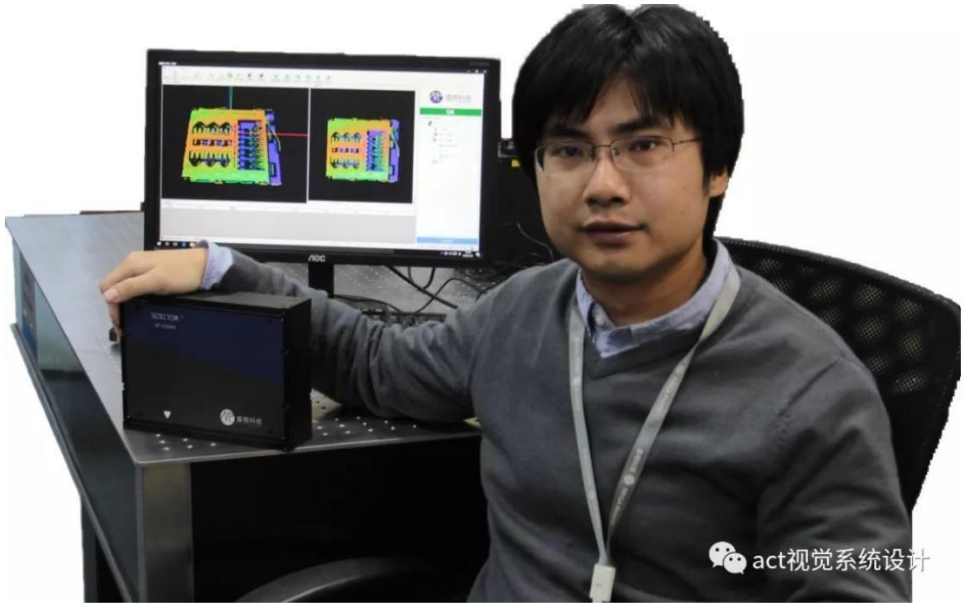
复制链接

广告

修

新年采访| 盛相科技：加速3D视觉检测产品的应用升级

2018-02-02 22:30



受访者：盛相科技总经理吴笛

Q：在过去的一年中，贵司开发的新产品？产品的核心优势？新产品满足的应用需求和应用领域分别有哪些?

George Hotz上课

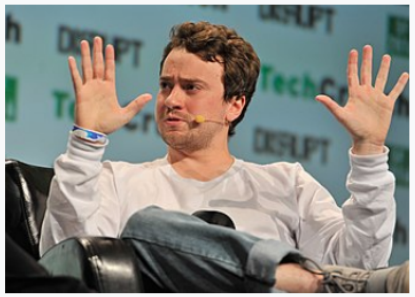
George Hotz

From Wikipedia, the free encyclopedia

George Francis Hotz (born October 2, 1989), alias **geohot**, is an American security hacker. He is known for developing iOS jailbreaks[1][2], reverse engineering the PlayStation 3, and for the subsequent lawsuit against Sony. Since September 2015, he is working on his vehicle automation machine learning company comma.ai.[3]

Contents [hide]

George Hotz



Hotz in 2016

Born	George Francis Hotz Jr. October 2, 1989 (age 30) Glen Rock, New Jersey, US
Other names	geohot
Alma mater	Carnegie Mellon University, RIT
Notable work	Jailbreak, comma.ai
Website	www.geohot.com

Education [edit]

He attended the Bergen County Academies, a magnet public high school in Hackensack, New Jersey. He attended Academy for Engineering and Design Technology.[4] Hotz is an alumnus of the Johns Hopkins Center for Talented Youth program.[5] Hotz also briefly attended Rochester Institute of Technology[6] and Carnegie Mellon University.

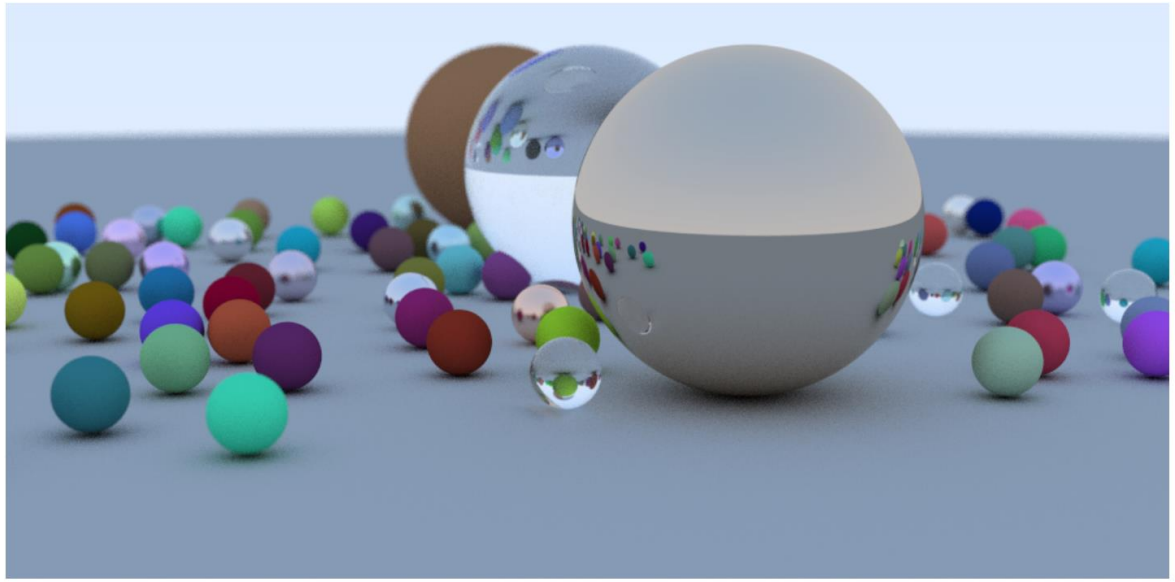
找工作

- 工作看经验
  - 写代码的经验
  - 写文档的能力
  - 对各个库熟练使用的能力
  - 对系统的熟悉程度
  - 与人打交道，合作的能力

如何找到好的工作？！

- 刷LeetCode
- Github上有代表性的作品
- 实习！
- 实习！
- 实习！！！

- **2019/10/3:** Successfully adapt the render's code to CUDA and accelerate the code!



Experiments

teapot.obj, dieclectic(1.5), 900x450 resolution, ns=5, depth=50

CPU, wo. BVH: 109125ms

CPU, w. simplest BVH: 9835ms

CPU, w. BVH+SAH: 9605ms

GPA贬值快（索马里先令、菲律宾比索）

Curriculum Vitae

PERSONAL

Name Ni, Jun

Degrees

Ph.D., University of Wisconsin-Madison, 1987
M.S., University of Wisconsin-Madison, 1984
B.S., Shanghai Jiaotong University, China, 1982

Positions at the University of Michigan, Ann Arbor

Academic Positions:

Shien-Ming (Sam) Wu Collegiate Professor of Manufacturing Science, 2006 - present
Professor of Mechanical Engineering, 1997 - present
Associate Professor of Mechanical Engineering, 1993 - 1997
Assistant Research Scientist, 1989 - 1992
Research Fellow, 1987 - 1989

Administrative Positions:

Dean, UM-SJTU Joint Institute, 2006 - 2014
Director, S. M. Wu Manufacturing Research Center (1992 - present)
Co-Director, Multi-Campus National Science Foundation Center for Intelligent Maintenance Systems (2001-present)
Deputy Director, US-China Clean Energy Research Consortium-Clean Vehicles Center (2010 – present)

I. CURRICULUM VITAE

CARLETON KINGSFORD

EDUCATION

Ph.D. in Computer Science (advisor: Mona Singh)
Princeton University
2005

M.A. in Computer Science
Princeton University
2002

B.S. in Computer Science (second major: Mathematics)
Duke University
2000

EMPLOYMENT

2019 – Present Professor, Computational Biology Department, School of Computer Science, Carnegie Mellon University. (Courtesy appointment Department of Biological Sciences.)

2016 – 2019 Associate Professor (with tenure), Computational Biology Department, School of Computer Science, Carnegie Mellon University. (Courtesy appointment Department of Biological Sciences.)

Group Leader

Yuljae Cho (赵栗在), DPhil (Oxon), Assistant Professor

Office: #544
University of Michigan – Shanghai Jiao Tong University Joint Institute
Shanghai Jiao Tong University, 800 Dong Chuan Road, Shanghai, 200240, China

+86-21-34206765 Ext. 5441

yuljae.cho[at]sjtu.edu.cn

- ### Education

2018. 06.	**DPhil in Engineering Science, University of Oxford, Oxford, United Kingdom**
2013. 02.	**B.E. in Electrical Engineering, Korea University, Seoul, Republic of Korea**

- ### Professional Experience

2020.04. - pres.	**Assistant Professor, UM-SJTU Joint Institute, Shanghai Jiao Tong University**
2019.04. - 2020.02.	**Research Associate, Dept. of Engineering, University of Cambridge**
2018.06. - 2019.04.	**Postdoctoral Research Assistant, Dept. of Engineering Science, University of Oxford**

YAOYU TAO

Phone: 1-650-666-5051

Email: taoyaoyu@gmail.com

EDUCATION

University of Michigan Ann Arbor
Stanford University
01/2017 – 08/2020 (defended)
Ph.D. Electrical Engineering
(Collaboration project on AI+5G)

Stanford University
09/2013 – 05/2015
M.S. Electrical Engineering
(Track: Hardware Systems)

University of Michigan Ann Arbor
Shanghai Jiao Tong University
09/2007 – 05/2013
B.S.E Electrical Engineering
(Summa Cum Laude,
Track: Computer Architecture, VLSI)

PUBLICATIONS

Journal Papers

[J1] Y. Tao, Z. Zhang, B. Murmann, "Learn to Decode Polar Codes with Differential Neural Computer", under review at IEEE Transaction on Communications (***TCOM***), 2020

[J2] Y. Tao, S.G. Cho, Z. Zhang, "A Configurable Successive-Cancellation List Polar Decoder using Split-Tree Architecture", 10.1109/JSSC.2020.3005763, IEEE Journal of Solid-State Circuits (***JSSC***), July. 2020

[J3] Y. Tao, S. Sun, Z. Zhang, "Efficient Post-Processor for Improving Error-Correcting Performance of LDPC Codes", IEEE Transactions on Circuits and Systems-I (***TCAS-I***), vol.66, no.10, pp.4032,4043, May. 2019

[J4] Y. S. Park, Y. Tao, Z. Zhang, "A Fully Parallel Nonbinary LDPC Decoder with Fine-Grained Dynamic Clock Gating", IEEE Journal of Solid State Circuits (***JSSC***), vol.50, no.2, pp.464,475, Feb. 2018