

Positions: We are actively looking for self-motivated students to join our team to conduct cutting-edge research on computer vision and biometrics. We have MULTIPLE openings, including Ph.D. students, M.phil. students, research assistants, visiting interns, and undergraduate research positions.

Requirements:

1. Good GPAs?

Nice to have, but not a dealbreaker – they do reflect your attitude toward course learning.

2. Strong programming skills

When diving into coding, you should feel fully immersed and enjoy the thrill of knowledge discovery. Doing research offers a similar thrill from a different perspective.

3. Self-motivation!

This is about the intrinsic drive to achieve your goal. While this is hard to measure, it's what I value the most.

4. Good communication skills

This isn't about being extroverted (I'm not particularly outgoing myself). This is about being able to clearly articulate your thoughts, present your ideas, and share your progress with clarity.

😊 I warmly encourage students from underrepresented groups in Computer Science to reach out and explore potential projects with me.

If you are considering applying for a PhD:

I currently have openings for at least two PhD students.

Before you reach out to me via email for PhD application, I highly recommend you read [The Ph.D. Experience](#) by Mihir Bellare which provides valuable insights into the PhD journey and what to expect.

For prospective PhD students, engaging in a research internship beforehand can be a good opportunity for us to better understand each other's working style and expectations.

If you are considering applying for an M.phil.:

I have rich and successful experiences in supervising master students. So far, I have guided two students to graduate, both of whom are currently doing PhDs at world-renowned universities: Zelin LI at UIUC and Irfan Dwiki Bhaswara at UNSW.

硕士生培养一

- 黎泽林, 南方科技大学首位硕士生
 - 独立指导 (2020-2024, 含本科毕业)
 - 获优秀本科毕业生、优秀硕士毕业生等荣誉
 - 现伊利诺伊大学香槟分校 (UIUC) 全奖读博

硕 学位论文
高保真人脸识别重建研究
RESEARCH ON HIGH-FIDELITY FACE
SUPER-RESOLUTION

研 究 生: 黎泽林
指 导 教 师: 曾丹研究助理教授

CS全球排名: 5



硕士生培养二

- Irfan Dwiki Bhaswara, 荷兰特文特大学
 - 与Raymond教授联合指导 (2018-2020)
 - 作为指导导师出席硕士答辩 (2020.08.31)
 - 现新南威尔士大学 (UNSW) 全奖读博

Presentation Master Thesis Project
Exploration of Autoencoder as Feature Extractor for Face Recognition System

Irfan Dwiki Bhaswara
Faculty of EEMCS, University of Twente
Supervised By Research Fellow and Prof. Song

CS全球排名: 42



If you are a current undergraduate student:

I have a successful track record of mentoring undergraduates, with all my previous students publishing top-tier papers under my supervision. Following the previous experience, I recommend undergraduate students to engage in research projects at my team after their second year. For students at SYSU, I believe the best way for us to get to know each other is by enrolling in my class (Spring Semester Computer Vision AI360).

我相信，通过适当的指导和监督，本科生的潜力是无限的。以下图表展示了我以前的本科生们目前的教育追求和工作状态。

本科生升学

□ 林志远, 南方科技大学, 现新加坡国立大学读硕



Face2Exp: Combating Data Biases for Facial Expression Recognition

Dan Zeng¹ | Zhixian Lin¹ | Xiao Yan¹, Yuting Liu², Fei Wang³, Bo Tang⁴

□ 洪山川, 南方科技大学, 现加州圣地亚哥分校读硕



Data-Searce Animal Face Alignment via Bi-Directional

Cross-Species Knowledge Transfer

Dan Zeng¹ | Shuanghe Huang¹ | Shuang Li² | Bo Tang³ | Qiaomei Shen⁴

Southern University of Science and Technology, Shenzhen, Guangdong, China

Southern University of Science and Technology, Shenzhen, Guangdong, China

Qiaomei Shen⁴ | Southern University of Science and Technology, Shenzhen, Guangdong, China

Bo Tang³ | Southern University of Science and Technology, Shenzhen, Guangdong, China

□ 江文, 南方科技大学, 现日本早稻田大学读硕



Face super resolution with a high frequency highway

Dan Zeng¹ | Wen Jiang¹ | Xiao Yan¹ | Weibao Fu² | Qiaomei Shen³

Raymond Veldhuis⁴ | Bo Tang⁵

Academic lineage?

My PhD advisors are **Distinguished Prof. Zhisheng You** (Chinese Academy of Engineering Candidate, 中国工程院院士候选人) and **Prof. Qijun Zhao** (the Vice Dean of the College of Computer Science at Sichuan University, 四川大学计算机学院副院长), whose PhD and PostDoc advisors are **Prof. David Zhang** (Canadian Academy of Engineering Fellow, 加拿大工程院院士) and **Prof. Anil K. Jain** (U.S. National Academy of Engineering Fellow, 美国国家工程院院士), respectively.

My PostDoc advisor, **Prof. Raymond Veldhuis**, leads the ONLY biometrics research group in the Netherlands, which is also well-known in Europe.

本科生就业

□ 傅伟堡, 南方科技大学

- 南科大“十佳毕业生”(每年10位), 腾讯SSP



Face super resolution with a high frequency highway

Dan Zeng¹ | Wen Jiang¹ | Xiao Yan¹ | Weibao Fu² | Qiaomei Shen³

Raymond Veldhuis⁴ | Bo Tang⁵

□ Krishnakumar Jayakumar, 荷兰特文特大学

- 与Raymond教授联合指导 (2018-2020)

- 入职跨国信息及通讯技术咨询公司 Aarini



阿姆斯特丹

Aarini Consulting is a leading ICT company based in

Netherlands, with affiliates in India and United Arab Emirates.

De-occlusion Of Occluded Facial Images Using

Conditional Generative Adversarial Networks

Underline styling: Raymond Veldhuis and Dan Zeng