

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 [PostDoc](#), [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](https://cseweb.ucsd.edu/~mihir/phd.html) (<https://cseweb.ucsd.edu/~mihir/phd.html>) 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 currently have openings for **two** M.phil. students.

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

硕士学位论文

高保真人脸超分辨率重建研究
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

ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

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

Speaker : Irfan Dwiki Bhaswara

Subject : Exploration of Autoencoder

Date : 31 August 2020

Time : 10:00 hr

Location : BlueJeans

Supervising committee : Prof. Dr. J. N. A. Velthuis (UT)
Prof. Dr. J. N. A. Velthuis (UT)

Exploration of Autoencoder as Feature Extractor for Face Recognition System

CS全球排名: 42

UNSW SYDNEY

If you are a current undergraduate student:

In a sense, I currently have **unlimited** openings for undergraduate students to do research (not lab chores).

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).

I firmly believe that with proper guidance and supervision, the potential of undergraduates is **unlimited**. The following figure highlights the achievements of my former undergraduates and their current educational pursuits and working status.

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 | Zhiyuan Lin² | Xiao Yan¹, Yuting Liu¹, Fei Wang², Bo Tang²
- 洪山川, 南方科技大学, 现加州圣地亚哥分校读硕

Data-Scarce Animal Face Alignment via Bi-Directional Cross-Species Knowledge Transfer
Dan Zeng¹, Shuowang Li², Qianqian Shen¹, Bo Tang²
¹Southern University of Science and Technology, Shenzhen, Guangdong, China; ²California State University of Technology, San Jose, California, USA
- 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 Jiang² | Xiao Yan¹ | Weihao Fu¹ | Qianqian Shen¹ | Raymond Veldhuis² | Bo Tang¹
¹Southern University of Science and Technology, Shenzhen, Guangdong, China; ²Raymond Veldhuis, Amsterdam, The Netherlands

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 Jiang² | Xiao Yan¹ | Weihao Fu¹ | Qianqian Shen¹ | Raymond Veldhuis² | Bo Tang¹
- 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

De-occlusion Of Occluded Facial Images Using Conditional Generative Adversarial Networks
Krishnakumar Jayakumar¹, Raymond Veldhuis² and Dan Zeng¹
¹Aarini Consulting is a leading ICT company based in the Netherlands, with affiliates in India and United Arab Emirates; ²Raymond Veldhuis, Amsterdam, The Netherlands

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.