

# Zhixuan Chen, M.Phil.

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🌐 <https://zhi-xuan-chen.github.io/>



## Awards and Honors

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### Awards

- 2023.06 📖 The **HUANGKUN Scholarship**
- 2023.04 📖 The **Gratitude to Chinese Modern Scientists Scholarship**
- 2019-2020 📖 The **China National Scholarship**
- 2020-2021 📖 The **China National Scholarship**
- 2021-2022 📖 The **China National Scholarship**
- 2019-2020 📖 The **First-Class Excellent Student Scholarship**
- 2020-2021 📖 The **First-Class Excellent Student Scholarship**
- 2021-2022 📖 The **First-Class Excellent Student Scholarship**
- 2022.05 📖 The **Meritorious Winner Prize** of Mathematical Contest in Modeling
- 2021.08 📖 The **First Prize** of National College Student Optoelectronic Design Competition
- 2021 📖 The **First Prize** of National College Student Mathematical Modeling Competition
- 2020.12 📖 The **First Prize** of National College Student Mathematics Competition

### Honors

- 2023.06 📖 The **Outstanding University Graduate** of Sichuan Province
- 2023.06 📖 The **"Honorary Research" Title** at the UESTC
- 2023.06 📖 The **Outstanding Undergraduate Thesis** of the UESTC
- 2023.06 📖 The **Honor of Distinguished Student** in the School of Optoelectronic Science
- 2023.05 📖 Featured in **People's Daily – Represented recipients** of the **China National Scholarship**, awarded to **only 100 students nationwide**
- 2022.12 📖 The **Outstanding Student Nominee** of the UESTC, only 22 students university-wide
- 2022.11 📖 The **Outstanding Student** of the School of Optoelectronic Science, only 3 students
- 2021.12 📖 The Certificate of **Comprehensive Quality Grade A**

## Research Publications

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### Journal Articles

- 1 Z. Chen, L. Luo, Y. Bie, and H. Chen, "Dia-llama: Towards large language model-driven ct report generation," *arXiv preprint arXiv:2403.16386*, 2024.
- 2 S. He, Y. Nie, Z. Chen, *et al.*, "Meddr: Diagnosis-guided bootstrapping for large-scale medical vision-language learning," *arXiv preprint arXiv:2404.15127*, 2024.



### Conference Proceedings

- 1 Y. Bie, L. Luo, Z. Chen, and H. Chen, "Xcoop: Explainable prompt learning for computer-aided diagnosis via concept-guided context optimization," in *International Conference on Medical Image Computing and Computer-Assisted Intervention*, Springer, 2024, pp. 773–783.

- 2 C.-Y. Zhao, T.-J. Zhang, R. Ran, Z.-X. Chen, and L.-J. Deng, "Lgpconv: Learnable gaussian perturbation convolution for lightweight pansharpening," in *IJCAI*, 2023, pp. 4647–4655.
- 3 Z.-X. Chen, C. Jin, T.-J. Zhang, X. Wu, and L.-J. Deng, "Spanconv: A new convolution via spanning kernel space for lightweight pansharpening," in *IJCAI*, 2022, pp. 841–847.

## Education






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- 2023.09-present     **M.Phil.**, School of Engineering, HKUST
- 2019.09-2023.06     **Undergraduate**, School of Optoelectronic Science and Engineering, UESTC




## Leadership and Services

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### Leadership

- 2022     **Chief Organizer**, Undergraduate Talent Special Zone Science and Technology Forum
-  **Team Leader**, Electronic Design Project - New Engineering Innovation Exhibition
- 2021-2023     **Class Leader**, Elite Program - School of Optoelectronic Science and Engineering, UESTC
- 2020-2021     **Vice President**, Applied Electronics Technology Association - UESTC
- 2020-2022     **Member**, Dongliang Project Liren Class (Leadership Development Program) - UESTC

### Services

- 2022-2023     The **Mentor** for 2022 Freshmen
- 2020.12     **Volunteer**, "Practicing Green and Low-Carbon" Energy-Saving Initiative - UESTC
- 2020.09     **Volunteer**, 2020 Orientation Program - School of Optoelectronic Science and Engineering