

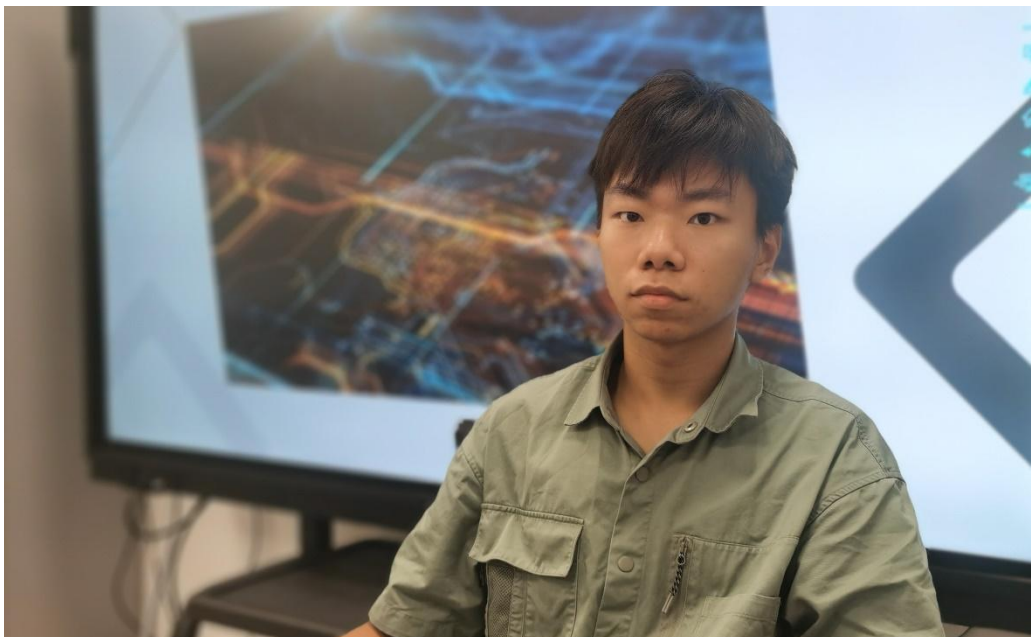
Zefeng Xu is a PhD student in the field of photonics and optics, with a focus on the development of novel photonic devices, photonic neural networks, and metamaterials. Concurrently Zefeng is pursuing an MBA degree in NUS Business School. Zefeng received his Bachelor's degree in Opto-Electronics Information Science and Engineering from Sun Yat-sen University in 2020, under guidance of Prof. Yu-Sheng Lin. He completed his Bachelor with Excellent Undergraduate Award, due to his excellent research achievements on IT/THz optical sensors based on metamaterials.

Afterwards, Zefeng continued his research as a PhD-MBA double degree student in Prof. Aaron Thean's group at the Department of Electrical and Computer Engineering, National University of Singapore. He is supported by Integrative Sciences and Engineering Programme (ISEP, formerly NGS) scholarship. His research interests include but are not limited to co-integration of photonic devices with novel materials, all-optical computing, and photonic neural networks. Zefeng has authored and co-authored over 30 publications in highly esteemed scientific journals with more than 500 citations such as Light: Science & Applications, Advanced Optical Materials, Optics Letters etc. Zefeng has participated in Conference on Laser and Electro-Optics (CLEO), International Conference on Optical MEMS and Nanophotonics (OMN), OptoElectronics and Communications Conference (OECC) and International Electron Devices Meeting (IEDM) as a presenter or co-author. Besides, he was invited as a reviewer for several academic journals like ACS Applied Materials & Interfaces, Scientific Reports, Optics Letters, etc.

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### **iLASER lasers**

Wavelength :375-2800nm  
Output power :100mw  
Fiber :400um, 1m, SMA connector  
Fiber collimator: 1mm @5~10cm distance

Current project application:  
two-dimensional materials-based optical devices



### **Optical measurement Probe System**

- Auto-alignment
- O-band, C-band

Current project application:  
Characterization of photonic modulators

