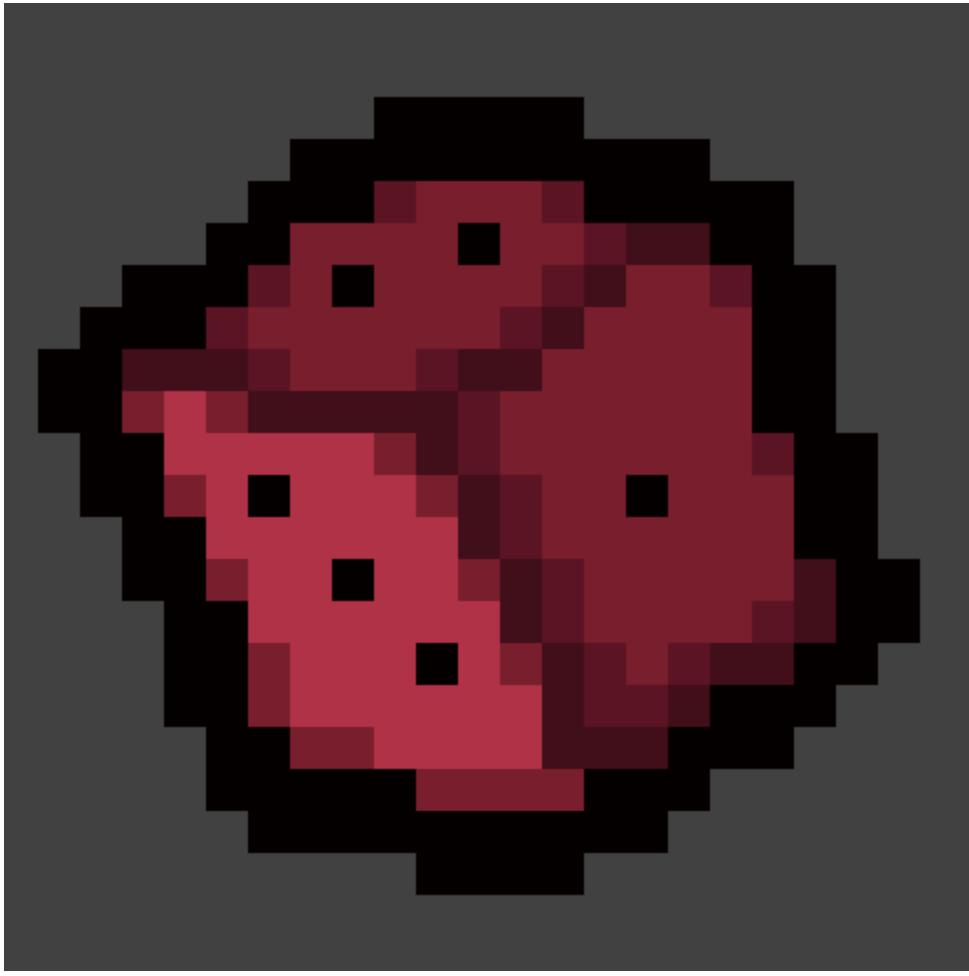


👋 HELLO EVERYONE! I'M ISAAC, AND THIS IS MY
GOOD FRIEND ~~LI ZIFEI~~ (李子霏) 'S GITHUB
(FOOLISH!!!!!!)
INTRODUCTION. THAT'S WHAT THE VOICES IN THE
WALLS KEEP WHISPERING, ANYWAY. BUT DON'T MIND
THEM! JUST LIKE MY BASEMENT, THIS PROFILE IS
FULL OF TRAPS, TREASURES, AND A LOT OF MESSY
CODE. ZIFEI TOLD ME IT WAS SAFE HERE, BUT I'M
STILL KEEPING MY DG



READY JUST IN CASE WE NEED TO REROLL SOME OF
THESE REPOSITORIES.



Zifei Lee (李子霏)

PhD Candidate in Engineering

Chengdu University of Technology | Department of Geophysics

Birthday

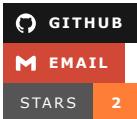
University

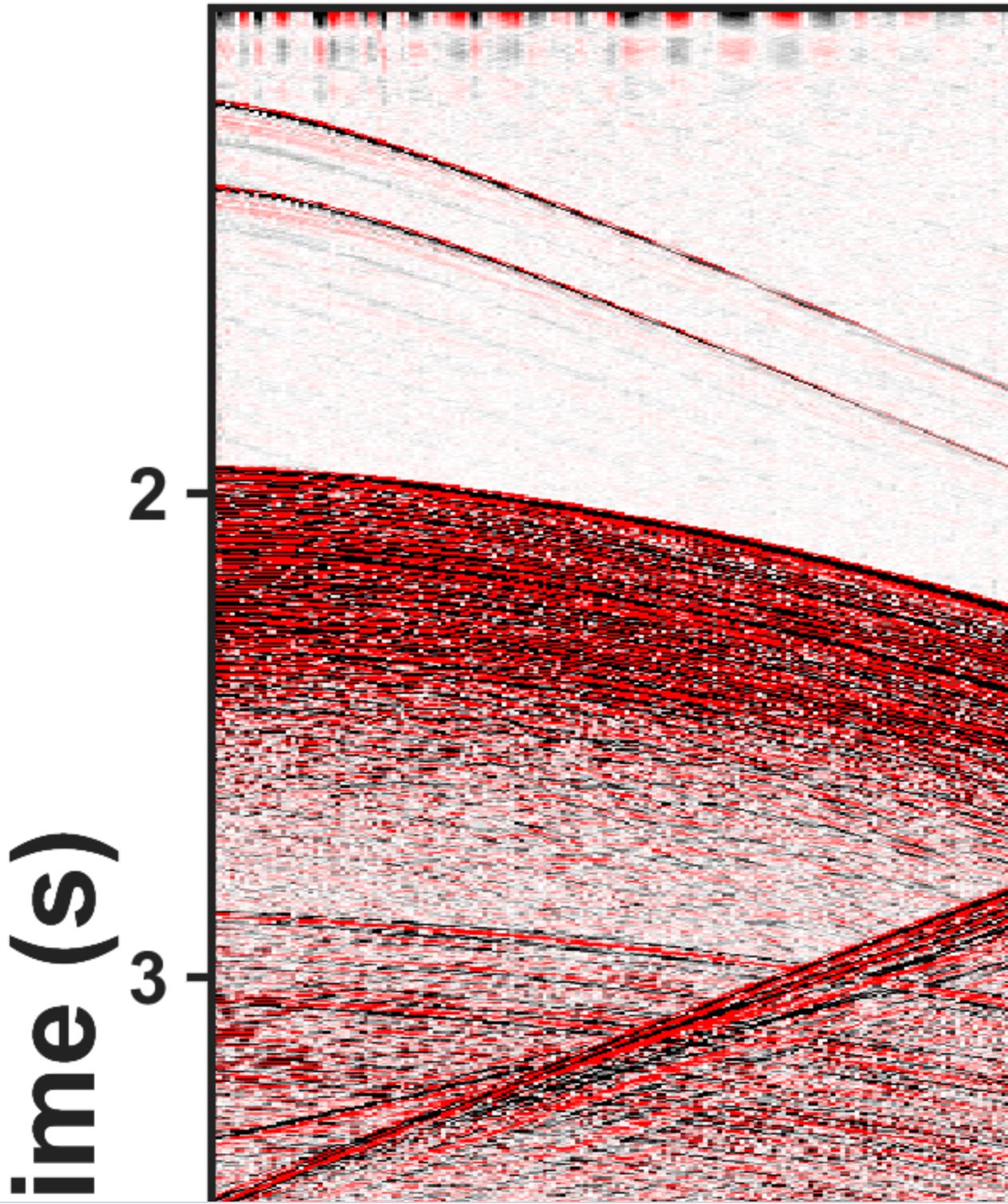
Lab

Email

Address

Research Focus: Simultaneous-source seismic acquisition and high-quality seismic imaging.





About Me



I am a Ph.D. candidate at the **Department of Geophysics, Chengdu University of Technology (CDUT)**. My research focuses on designing simultaneous-source seismic exploration techniques and high-quality seismic signal imaging. In the past few years, I've studied methods for separating and regularizing signals from sumul-sources. Currently, I'm attempting to integrate this with the design of observation systems to explore how pulse and controlled sources can increase the coherence difference between the effective signal and aliasing noise at the acquisition end, thereby expanding the application scope of simultaneous excitation seismic exploration techniques. Furthermore, how to achieve direct imaging of aliased data as much as possible, combining simultaneous-source data with processes such as RTM and FWI, is also one of my research directions.

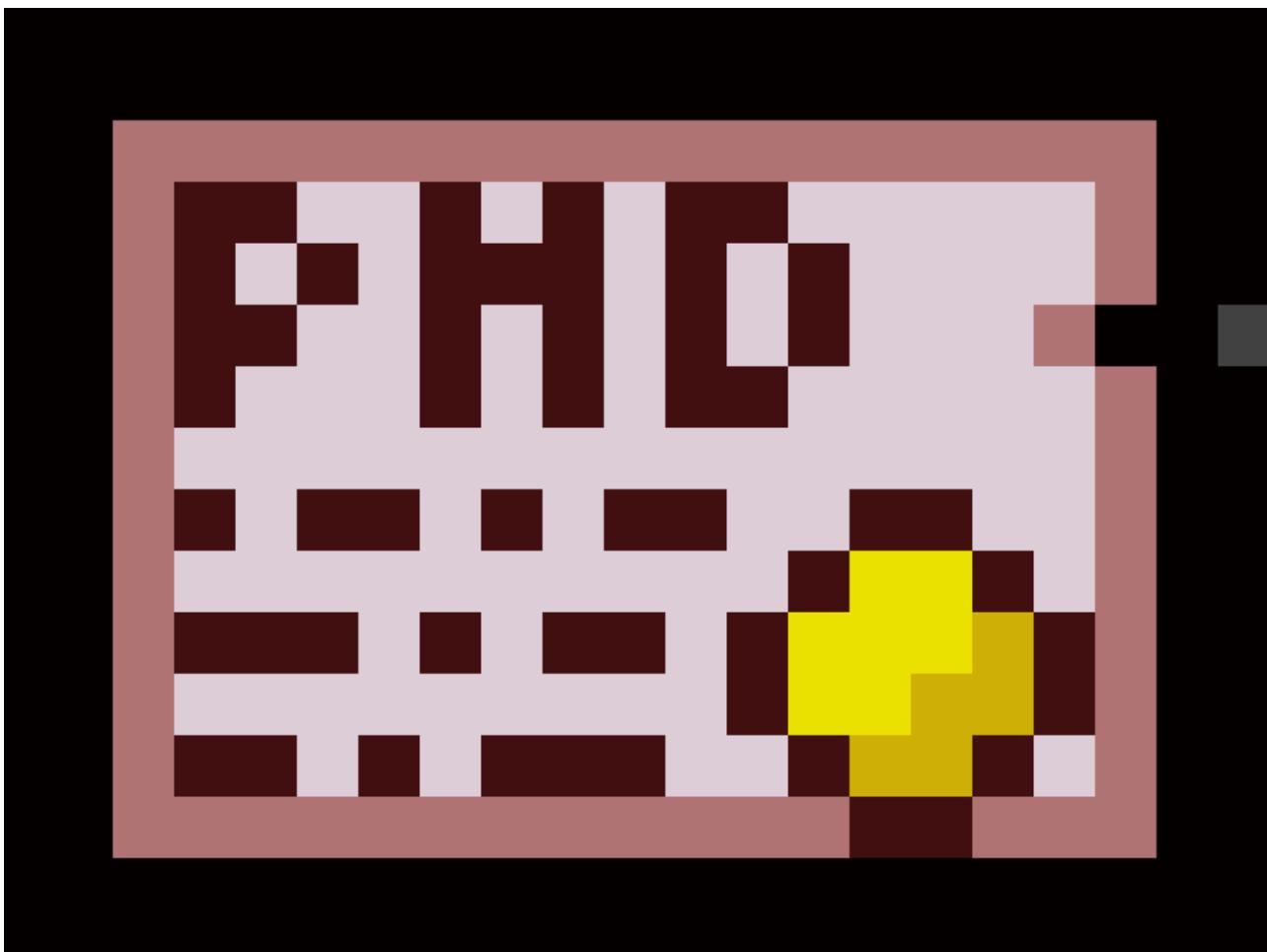
• Research Interests:

- Simultaneous-source Seismic Acquisition (Deblending)
 - High-quality Seismic Imaging
 - Sparse Transforms (Curvelet, etc.) & Deep Learning in Geophysics
-

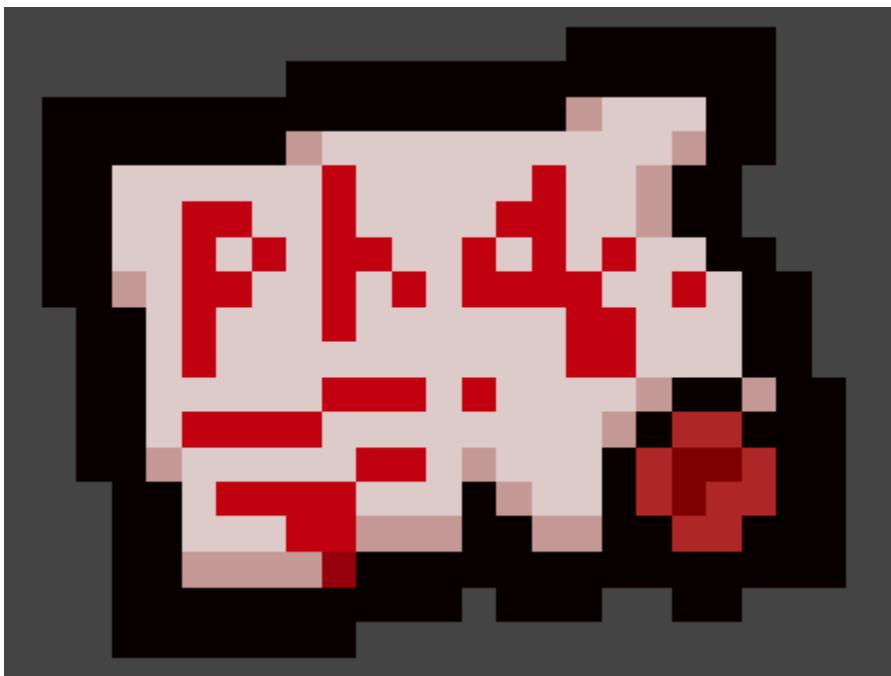
Education



- **Ph.D. in Engineering (Candidate)** | Chengdu University of Technology | 2024 - Present



(



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- **B.Sc. in Science** | Chengdu University of Technology | 2020 - 2024

🏆 Competitions & Honors

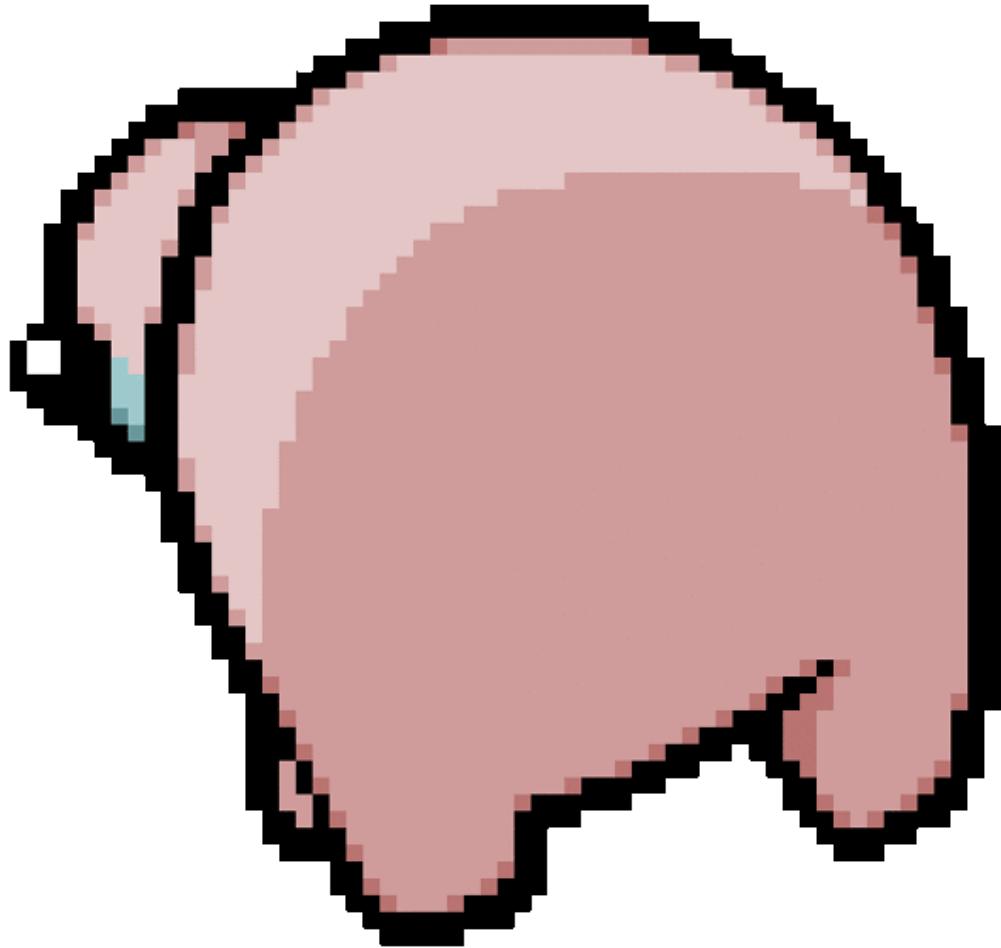


Contest	Project	Award
3rd Dongfang Cup	Surface Wave Noise Suppression	🥇 National 1st Prize
2nd Dongfang Cup	Post-Stack Structure-Preserving Filtering	🥈 National 2nd Prize
1st Dongfang Cup	Fault Prediction Algorithm	🥇 National 1st Prize

Scholarships: Ph.D. Motivational Scholarship (Special Class), Academic Scholarship (1st Class).



Publications & Conferences



Publications

- [J] *Seismic random noise attenuation using structure-oriented 3D curvelet transform.*
- [J] *Iterative deblending based on 2D-FFT with multistage median bilateral filtering.*
- [C] *Self-supervised Training for Simultaneous Interpolation and Deblending of Blended Data.*



Conferences

- **IMAGE** (International Meeting for Applied Geosciences & Energy)
- **CGU** (China Union of Geological Sciences Annual Conference)
- **AGER** (First Frontier Forum on Earth Energy)



❖ Tech Stack



 PYTHON

 MATLAB

 C ++



GitHub Stats



Get in touch



- **Institutional Email:** 2024010196@stu.cdut.edu.cn
- **Personal Email:** Curvelet_lzf@163.com

Profile Views 36