



👋 HELLO EVERYONE! I'M ISAAC, AND THIS IS MY

GOOD FRIEND ~~LI ZIFEI (李子霏)~~ IS GITHUB

(FOOLISH!!!!!!!)

INTRODUCTION. THAT'S WHAT THE VOICES IN THE

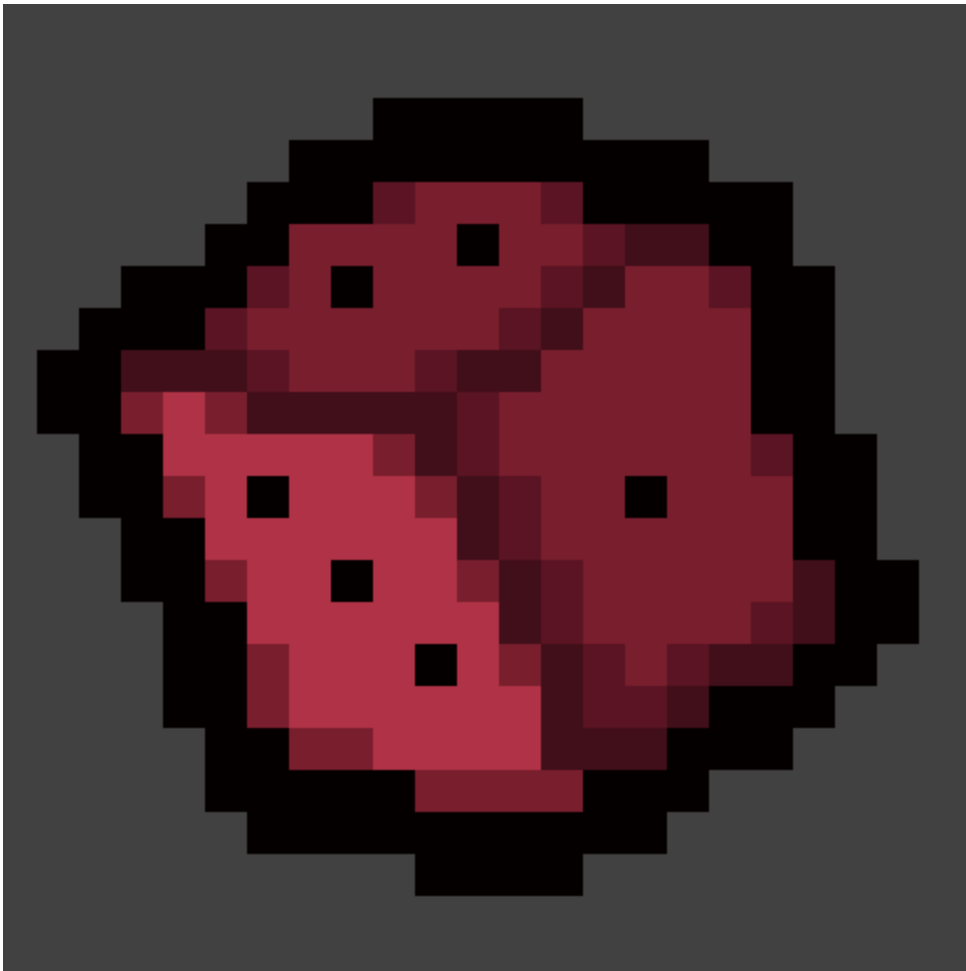
WALLS KEEP WHISPERING, ANYWAY. BUT DON'T MIND

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.

 GITHUB

 EMAIL

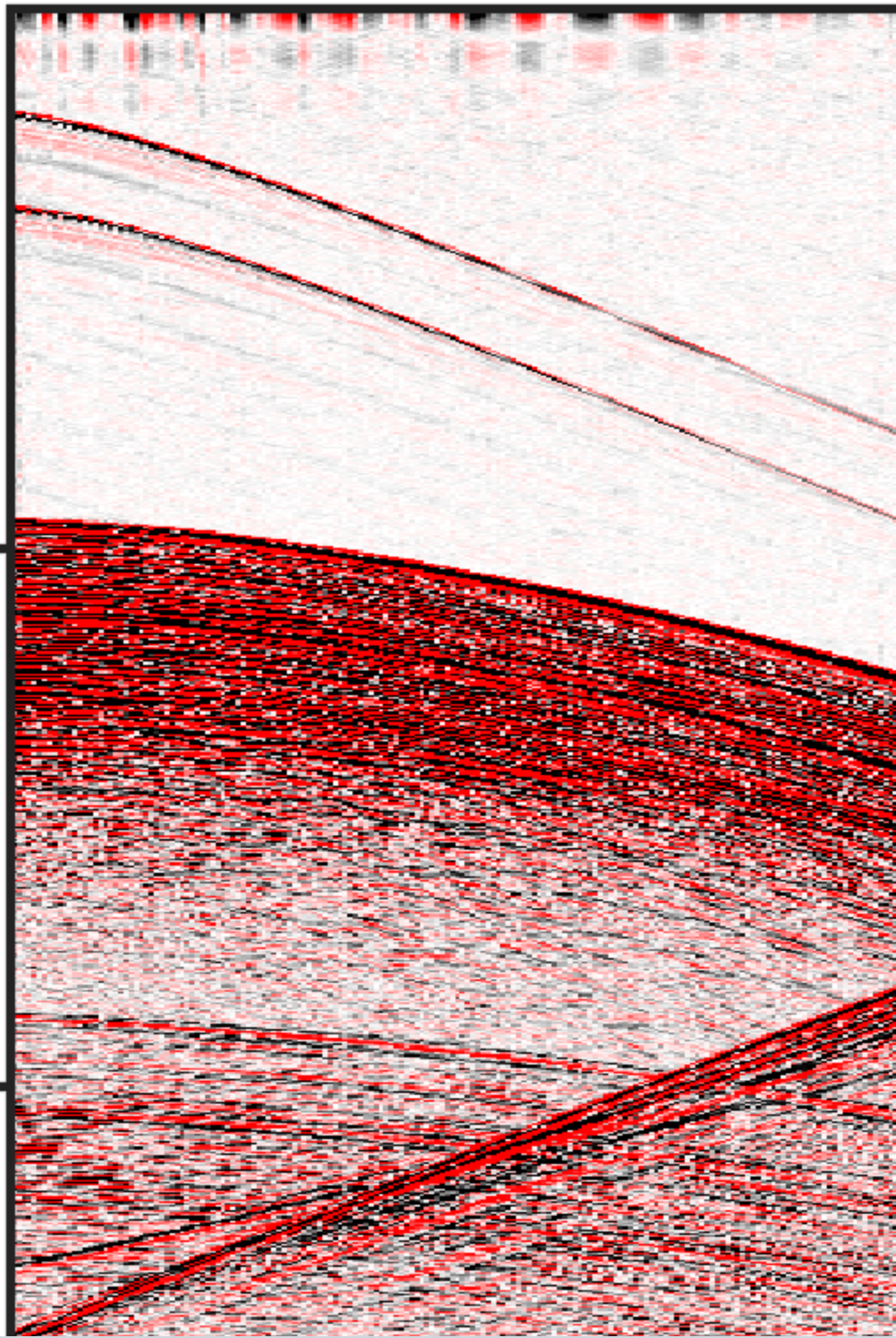
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## About Me



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.

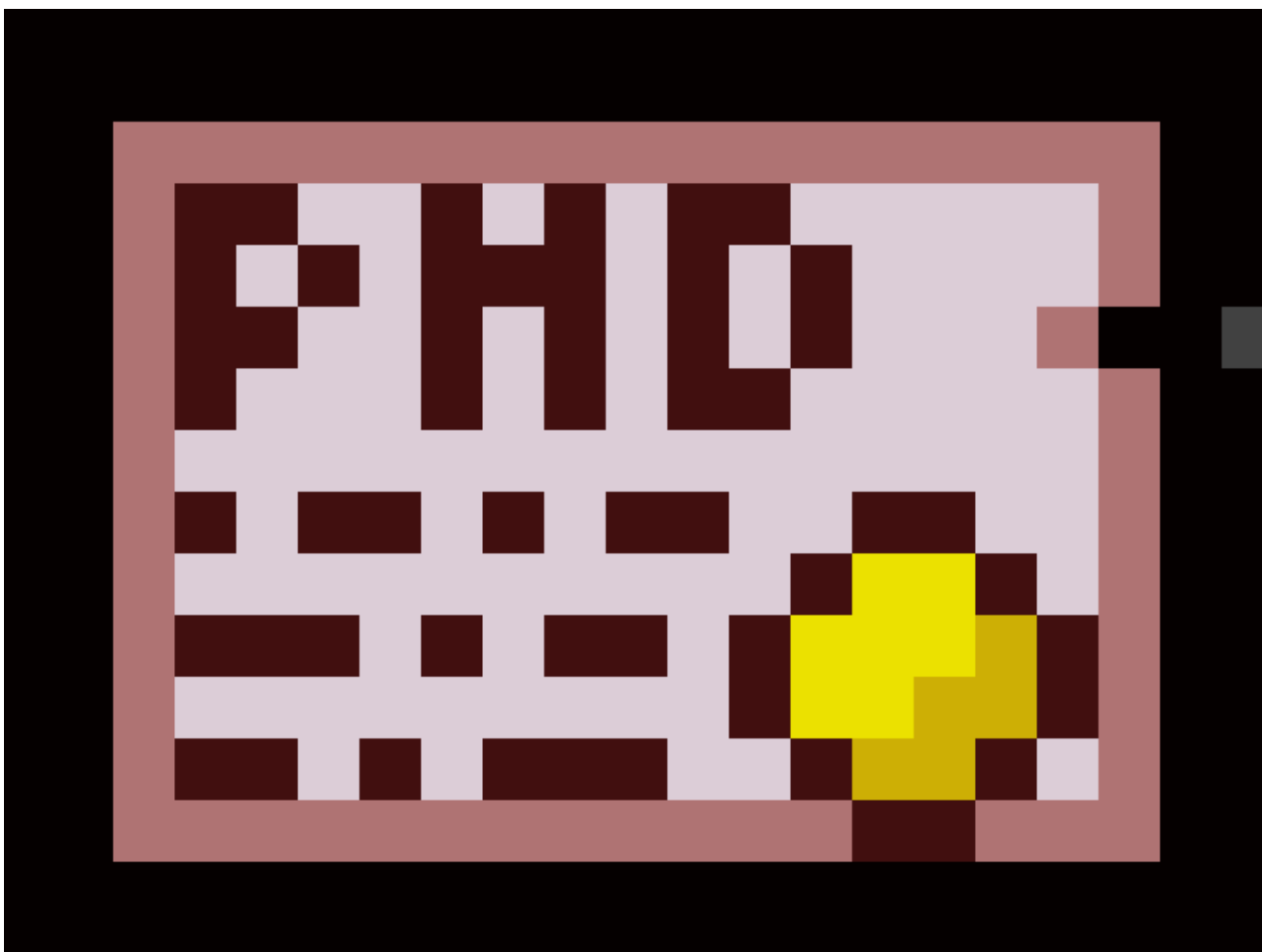
-  **Research Interests:**
  - Simultaneous-source Seismic Acquisition (Deblending)
  - High-quality Seismic Imaging
  - Sparse Transforms (Curvelet, etc.) & Deep Learning in Geophysics



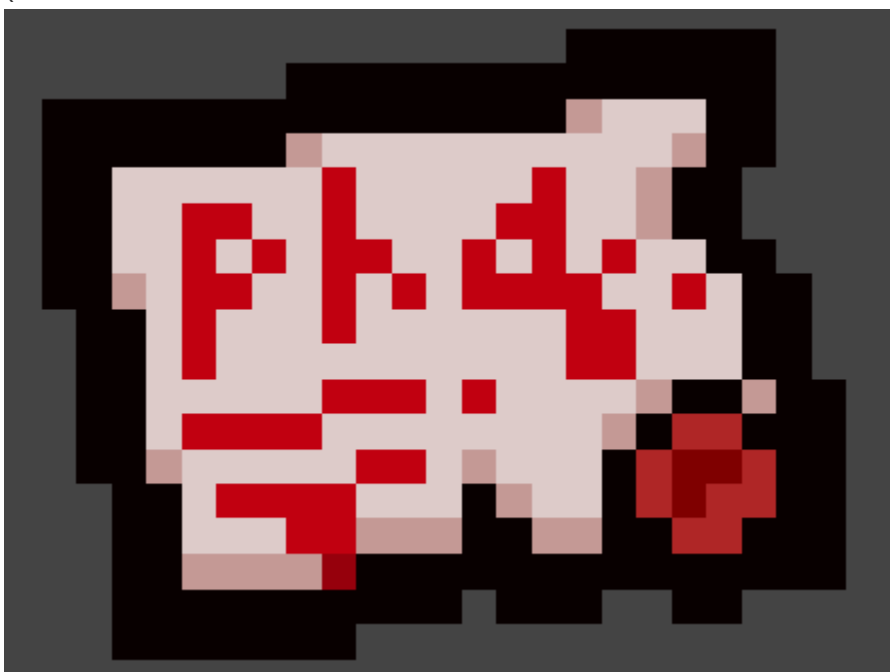
## Education



- **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

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## 🏆 Competitions & Honors



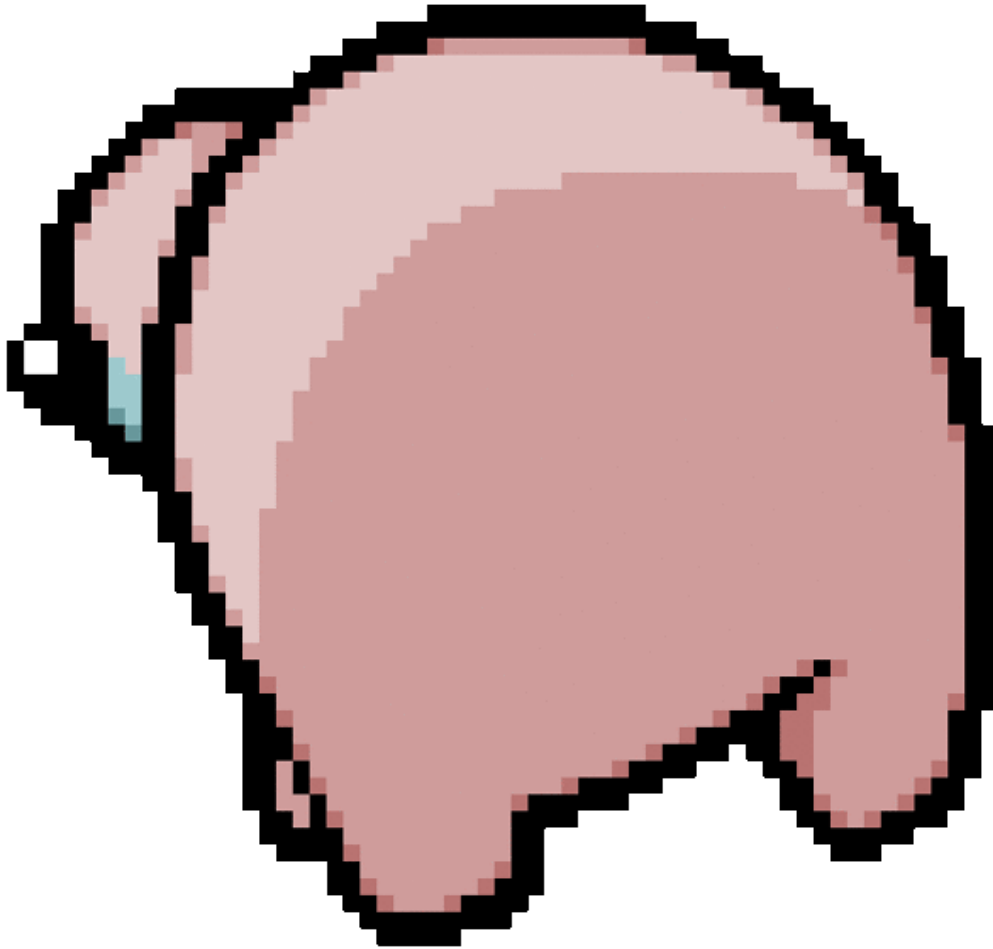
Contest	Project	Award
<b>3rd Dongfang Cup</b>	Surface Wave Noise Suppression	🏆 National 1st Prize
<b>2nd Dongfang Cup</b>	Post-Stack Structure-Preserving Filtering	🏆 National 2nd Prize
<b>1st Dongfang Cup</b>	Fault Prediction Algorithm	🏆 National 1st Prize

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

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## 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.*

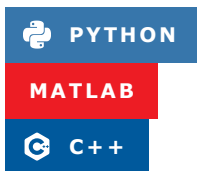


### Conferences

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



## GitHub Stats



## Get in touch



- **Institutional Email:** 2024010196@stu.cdut.edu.cn
- **Personal Email:** Curvelet\_lzf@163.com

Profile Views 36