



# Curriculum Vitae/Resume | Yexin (Libro) Wu

Rackham Graduate Program Application | email | phone (+86) 18367554845

## ABOUT ME

As a computer science student with a deep passion for natural language processing, I am inspired by the potential of language to bring people together. Being eager to continue learning and growing in this fascinating field, I am determined to harness the power of language models to break down barriers and make the world a more united place, and I am confident that my enthusiasm and dedication will enable me to make a meaningful impact on the world.

## LINKS

 github  
 homepage

## HONORS & AWARDS

2020 & 2021 & 2022 & 2023 - **Zhiyuan Honorary Scholarship**  
Top 5% in SJTU

## SKILLS

- **Experienced Programming Language:** Python C++ Java
- **Familiar Programming Language:** Verilog Go LLVM RISC-V assembly
- **Frameworks** Linux Windows

## LANGUAGE SKILLS

- **Native:** Mandarin Chinese
- **Fluent:** English

## HOBBIES & INTERESTS

- **Literature** Classical novels, science fiction, and ancient Chinese Poetry.
- **Sports** Ping-pong.

## EDUCATION

**ACM honors class, Shanghai Jiao Tong University** - B.Sc. Hons. in CS

Sept. 2020 - present

- Honors Bachelor of Science (B.Sc. Hons) in Computer Science.
- Members of ACM Honors Class, Zhiyuan College, which is an elite CS program for top 5% talented students.
- GPA (years 1-3): 3.97/4.3. Rank: 5/36.
- Excellent Professional Courses Performance:  
Computer Architecture: 95/100 | Operating System: 95/100  
Machine Learning: 92/100 | Natural Language Processing 97/100  
Reinforce Learning 91/100
- Excellent Math Courses Performance:  
Mathematical Analysis: 97/100 | Linear Algebra: 95/100  
Mathematical Logics: 100/100

## RESEARCH EXPERIENCE

**BCMI Lab @SJTU** - Undergraduate Researcher

Jul. 2022 - April 2023

- **Advisor:** Prof. Hai Zhao, Asst. Prof. Zhuosheng Zhang.
- **Research interest:** Chain-of-Thought in small language model.

**PLUS Lab @UCLA** - Undergraduate Visitor

April 2023 - Dec. 2023

- **Advisor:** Asst. Prof. Nanyun (Violet) Peng, Ph.D. Candidate Sidi Lu.
- **Research interest** Chain-of-Thought evaluation and Insertion-of-Thoughts.

## PUBLICATIONS

**Mitigating Misleading Chain-of-Thought Reasoning with Selective Filtering** Aug. 2022 - Jan. 2023

Authors: **Yexin. W.**, Zhuosheng Z., Hai Z.

- COLING 2024.
- We incorporate a CoT filter that can identify and exclude invalid CoTs to form Self-Reasoner, thereby preventing invalid CoTs from negatively impacting the final answer prediction.
- Consistent performance gains on ScienceQA, ECQA, and LastLetter tasks.

**MorphGrower: A Synchronized Layer-by-layer Growing Approach for Plausible and Diverse Neuronal Morphology Generation**

Oct. 2022 - Jan. 2023

Authors: Nianzu. Y, Kaipeng. Z, Haotian. L, **Yexin. W.**, Zexin. Y, Shengdian. J, Jiexiang. W, Yimin. W, Junchi. Y

- Preprint, under review.
- Use global information encoded by TGNN and path information encoded by VAE encoder to enhance the VAE model on neuron morphologies generation task.
- Deep learning course (AI3607) project, advised by Prof. Junchi Yan and Teaching Assistant Nianzu Yang from thinklab.

## PROJECTS

**Tomasulo RISC-V-CPU Implemented in Verilog**

Sept. 2021 - Dec., 2021

- A Tomasulo RISC-V-CPU with 1MB instruction cache and branch predictor with local history & 2-bit saturating counter.
- Ability to handle large projects. Acquire Tomasulo algorithm and hardware programming skills.

**Compiler for a C-and-java-like Language**

Sept. 2021 - June, 2022

- A compiler of Mx\* Language, a C-and-java-like Language.
- Implemented static compiler optimization close to GCC-O2. Further explored dynamic optimization JIT.

## TEACHING EXPERIENCE

**CS1954 Programming** - Teaching Assistant

Fall, 2021

**CS1951 Data Structure** - Teaching Assistant

Spring, 2022

**CS1952 Programming Practice** - Teaching Assistant

Summer, 2022