CHEN CHENG

(+86) 18257250100 | chengchen@shanghaitech.edu.cn

EDUCATIONAL BACKGROUND

ShanghaiTech University *Shanghai, China*
Bachelor of Engineering in Computer Science and Technology *Sep.2020-Jun.2024(expected)*
GPA: 3.86/4.0 | Rank: 4/246

RESEARCH INTEREST

Human and Computer Interaction, Visualization, Natural Language Processing, Artificial Intelligence

RESEARCH EXPERIENCE

Viseer Lab | Advised by Quan Li | ShanghaiTech University *Jun.2022 - Sep.2022*

- **Formative Study for Finding User Requirements**
  Conducted a formative study to understand the problems encountered by L2 junior researchers in the academic abstract writing process.
- **Pipeline Design for Abstract Writing Training**
  Designed an abstract writing training process which facilitates main idea identification, draft writing, writing style recognition.
- **User Interface Implementation**
  Built ALens as a responsive web-based application with Vue to demonstrate the academic abstract writing training process.
- **Paper Writing**
  Develop most sections of the paper to organize thoughts and introduce our work.

Viseer Lab | Advised by Quan Li | ShanghaiTech University *Oct.2022 - Dec.2022*

- **Fund Position Simulation**
  Construct the regression equation for position simulation and compare three regression methods.
- **User Interface Implementation**
  Implement FMLens, a visual analytics system that helps to scaffold the fund manager selection process.

PUBLICATIONS

- **Chen Cheng**, Ziang Li, , Zhihao Jiang, Zhenhui Peng, Quan Li. **"ALens: An Adaptive Training System for Academic Abstract Writing"** , (on submission)
- Longfei Chen, **Chen Cheng**, Xuanwu Yue, Jason Kamkwai Wong, Yun Tian. He Wang, Xiyuan Wang, Quan Li **"FMLens: Towards Better Scaffolding the Process of Fund Manager Selection in Actively Managed Equity Fund Investments"** , (on submission)

HONORS & AWARDS

Undergraduate Special Scholarship | ShanghaiTech University *Dec., 2022*
Undergraduate Special Scholarship | ShanghaiTech University *Dec., 2021*

COURSEWORK EXPERIENCE

Black Asset Network Visual Analytic System | Course of Data Visualization

- Used dimension reduction method to discover potential assets and develop a visual analytic pipeline for confirm.

Linear Programming Solver | Course of Numerical Optimization

- Used python to implement a linear programming solver through the two-phase method of the simplex algorithm.

Chrome Dinosaur Game in RISC-V | Course of Computer Architecture I

- Use RISC-V to implement the Chrome Dinosaur Game on Sipeed Longan Nano development board.

Meta-Path Discovery Based on Temporal Equivariant Graph | Course of Artificial Intelligence

- Add temporal information into static graph representation by GRU and use DQN to discover meta-path.

SERVICE

Peer Reviewing ACM CHI 2023
Event Organizing 100 Enterprises on Campus

PROFESSIONAL SKILLS

Programming Languages Javascript, Html, Python, C/C++, MATLAB, RISC-V
Tools and Frameworks Vue, Flask, PyTorch, DGL , Git