Xin **Wei**

Master Student · Cybernetics and Reality Engineering Lab

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About Me

I am a highly motivated M2 student at CARELab, NAIST, with a strong interest in healthcare monitoring. Currently, I am focusing on developing methods to estimate visual diseases at an early stage using daily eye behaviors. My research interests include physiological signals, signal processing, and pattern recognition.

Experience

Cybernetics and Reality Engineering Laboratory — *Nara, Japan*

Spring Seminar Tutor — *Feb. 2023 - Mar. 2023*

- Shimmer sensor and data analysis tutorial
- Experimental setup

Digit Fujian Internet-of-Things Laboratory of Environmental Monitoring — *Fuzhou, China*

Research Internship — *2017 - 2019*

- Kernel Density Estimation via LSH — Sept. 2018 - Aug. 2019
- Multi-model Similarity Search — Dec. 2017 - July 2018
- Recommender System and Clustering — Aug. 2017 - Dec. 2017
- Real-time Anomaly Detection and Analysis System — Mar. 2017 - Aug. 2017

Education

NARA Institute of Science and Technology — *Nara, Japan*

M.S. in Information Science and Engineering — *Oct. 2021 - Current*

- Studies on methods to estimate visual diseases at an early stage from daily eye behaviors

Fujian Normal University) — *Fuzhou, China*

B.S. in Software Engineering — *Sept. 2015 - June 2019*

- Learned software design, software development and programming languages.
- GPA: 3.88/4.0 (2/192)

Honors & Awards

2019 **Outstanding Undergraduate Award,** Fujian Normal University

2019 **Outstanding Undergraduate Student Paper Award,** Fujian Normal University

Publication

GLDH: Toward More Efficient Global Low-density Locality-Sensitive Hashing for High Dimensions — *Information Science*

Yiqi Li, Ruliang Xiao, **Xin Wei**, Huakun Liu, Shi Zhang, and Xin Du — *2020*

OPRCP: Approximate Nearest Neighbor Binary Search Algorithm for Hybrid Data over WMSN Blockchain — *EURASIP Journal on Wireless Communications and Networking*

Huakun Liu, **Xin Wei**, Ruliang Xiao, Lifei Chen, Xin Du, and Shi Zhang — *2018*

Skills

Programming Language

C/C++, Python, Java, Go, Scala, HTML/CSS/JS

Technical Software

LaTeX, Arduino