

JIAWEN BI

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RESEARCH INTEREST

convex and nonconvex optimization, first-order and zeroth-order methods, large-scale optimization, and optimization problems arising in machine learning

EDUCATION

Zhejiang University

Aug 2019 - June 2023

BSc

School of Mathematical Sciences

ACADEMIC EXPERIENCE

The University of Hong Kong

Sep 2023 - Present

Research Assistant II

- Working on dimension-insensitive methods for nonconvex stochastic optimization (unpublished now)
- Responsible for writing, designing and coding of numerical experiments, computing of proximal operators, etc.
- **Advisor:** [Dr. Yue Xie](#)

Zhejiang University

Feb 2023 - June 2023

Undergraduate Thesis

- Applied various stochastic optimization methods like SGD, SVRG, RMSProp, etc. to enhance the performance of the Block Iterative Hard Thresholding (BIHT) algorithm within the context of sparse recovery
- Responsible for designing algorithms and coding of numerical experiments
- **Thesis advisor:** [Dr. Junhong Lin](#)

WORKING EXPERIENCE

ZJUXitou Brainmachine Intelligence Research Center

Jul 2021 - Sep 2021

C++ development engineer(internship)

- Participating in the development of BrainComputer Fusion Computing Platform
- Responsible for the processing of data provided for brainmachine, coding of C++ applications and numerical algorithms

TECHNICAL STRENGTHS

Computer Languages

Python, C/C++, MATLAB

Software & Tools

LaTeX, Linux, Pytorch

Language

English(TOEFL 102 with R27 L29 S22 W24)