

# DING WANG

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## EDUCATION

Shandong University

September 2020 - Present

Bachelor of Software Engineering

**GPA 91.4** (Rank 23/333, **6.9%** in department) CET6 / CJT6: 510 / 75.5 **IELTS: 7.5**

Related courses: Database (99), Discrete mathematics (98), Linux (98), C++ (96), Data Structure (95), all the course designs (Computer Architecture, Data Structure, DB, OS, Java, etc.) (Excellent level)

## RESEARCH EXPERIENCE

Research Assistant @ SDU Wei-Lab, PI: Leyi Wei

March 2022 - Present

Focused on solving bioinformatical problems with deep learning and computational approaches.

## PUBLICATIONS

- **Ding Wang**, Junru Jin, Zhongshen Li, and Yu Wang, Mushuang Fan, Sirui Liang, Ran Su, Leyi Wei\*. *StructuralDPPIV: A novel atom-structure based model for discovering dipeptidyl peptidase-IV inhibitory peptides* (Submitted to **Bioinformatics**, under review, now available on bioRxiv and google scholar), 2023
- Sirui Liang, Yanxi Zhao, Junru Jin, Jianbo Qiao, **Ding Wang**, Yu Wang, Leyi Wei\*. *Rm-LR: A long-range-based deep learning model for predicting multiple types of RNA modifications*, **Computers in Biology and Medicine**, 2023

## PROJECT EXPERIENCE

- **Parallel Pivot selection algorithm implementation with OpenMP** October 2022 - December 2022
  - Using *OpenMP* and other C++ optimization techniques to implement a parallelized pivot selection algorithm to ensure efficient and accurate results on two datasets. Our team won the 2<sup>nd</sup> prize with 1,000-yuan bonus, and the project is rated *excellent*. Code and documents available at <https://github.com/void-echo/SDU-Parallel-Lab>
- **Computer Vision and SLAM platform based on OAK-D and Livox Lidar** June 2023 - July 2023
  - Utilizing a mini-car, ROS, oak-d RGB-D camera and Livox lidar to develop a united platform consisting of multiple computer vision and SLAM functions. As the team leader, we won the 2<sup>nd</sup> (4A) evaluation in this course. Code and documents available at [https://github.com/void-echo/car\\_detect\\_web](https://github.com/void-echo/car_detect_web)
- **Mini operating system based on Nachos** October 2022 - December 2022
  - Utilizing the *Nachos* framework to implement a Mini OS with process priority scheduling, semaphore mechanism, two-level indexed file system, system calls, and virtual memory. The project is rated *excellent*, Code and documents available at <https://github.com/void-echo/SDU-OS-Project>
- **GaussDB-based online taxi system** July 2022 - August 2022
  - Using *GaussDB* database combined with *Spring boot*, *Vue*, *Mybatis* and other frameworks to construct an online taxi-hailing system with functions of real-time taxi booking and intelligent ordering. The project is rated *excellent*, Code and documents available at <https://github.com/void-echo/FastDbProj>

## HONORS AND AWARDS

Academic Second Prize, Shandong University	2021,2022
Honorable Mention, International Mathematical Contest in Modeling	2021
Specialty Scholarship, Shandong University	2021
Pingcap TiDB Associate, Pingcap, Inc.	2022

## COMMUNITY INVOLVEMENTS

Office staff of the Student Union, School of Software, Shandong University.

2020-2021

Member of the Research Department, Sharing-Ideas.

2022 - Present