

# WONG JING YUAN

2024 Internship

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## EDUCATION

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### Fudan University

BSc. in Computer Science

Sep 2021 - Expected Jul 2025

Shanghai, China

- Relevant coursework: Machine Learning, Statistics & Probability, Linear Algebra, Object-Oriented Programming with C++, Database Systems, Data Structures, Principles of Computer Systems.

## PROJECTS

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### Machine Learning course projects

Shanghai, China.

Project Link: <https://github.com/JinnyWong/MachineLearning>

Nov 2023 - Completed

- Applied K-Nearest Neighbors (KNN) algorithm to a dataset of wine characteristics, to classify them based on quality.
- Implemented Linear, Ridge & Lasso regression models to predict Boston house prices based on Kaggle dataset.
- Developed a Multilayer Perceptron (MLP) neural network using Keras & PyTorch, to recognize handwritten digits in the MNIST dataset.

### BVH Parser

Shanghai, China.

Project Link: <https://github.com/JinnyWong/BVH>

Dec 2022 - Completed

- Developed a parser that takes a .bvh file and turns it into a .json file, as a project in the Data Structures course.
- Implemented efficient algorithms for parsing and constructing BVH trees, demonstrating a good understanding of data structures.

### Y86 Emulator with GUI

Shanghai, China.

Project Link: <https://github.com/JinnyWong/Y86>

Dec 2022 - Completed

- Developed a functional Y86 instruction set emulator with GUI as a project in the Computer Systems course.
- Implemented the emulator in C++ and demonstrated proficiency in low-level programming and system-level understanding.

## EXPERIENCE

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### DanXi: a third-party app for Fudan University students

Intern as Backend Developer

Apr 2022 - Jul 2022

- Collaborated with backend team to design, develop, and deploy backend solutions using FastAPI and Tortoise ORM.
- Engaged in continuous learning of tools and technologies, for example: Git, Docker, RabbitMQ & etc.

### Malaysians in Fudan (MIF) Student Association

Vice President

Jan 2022 - Jan 2023

- Led a council board of 14 person in organizing events and community outreach programs.
- Planned and executed 'MIF Data Processing Workshop 2022', which lasted 4 weeks and gathered more than 40 participants.
- Collaborated with Shopee to promote 'Shopee Code League 2022' within campus.

## SKILLS

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- **Programming:** Python(Pandas, NumPy, Scikit-learn, Keras, BeautifulSoup & etc.), C++, MySQL, HTML, CSS, JavaScript.
- **Math:** Linear Algebra, Statistics & Probability
- **Languages:** Chinese(Native), English(Proficient), Malay(Fluent)

## AWARDS

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### Shanghai Municipal Government Scholarship

Type-B Scholarship Awardee

Sep 2021 - Present

- Won silver medal in Fudan University's International Students Badminton Game 2023.
- Won 2nd Runner-Up in AMSIB Challenge 2022: completed a cross-border business case study, and devised an innovative business plan for an existing SME by incorporating the knowledge of mobile commerce.
- Participated in Shopee Code League 2022: completed 3 out of 5 problems.