

WONG JING YUAN

Open to 2025 new graduate / junior roles

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EDUCATION

Fudan University

BSc. in Computer Science

Sep 2021 - Expected July 2025

Shanghai, China

- **Coursework:** Machine Learning, Statistics & Probability, Linear Algebra, Data Structures & Algorithms, Data Mining, Object-Oriented Programming with C++, Database Systems, Software Engineering, Computer Graphics, Operating Systems, Software Architecture, Compilers.
- **Honors:** Shanghai Municipal Government Scholarship (2021-present).

WORK EXPERIENCE

Apple Inc.

Software Engineer Intern - Information Systems and Technology Team

Shanghai, China

Apr 2024 - Sep 2024

- Developed a macOS app & microservices to automate and solve data transfer issues, saving over 30,000 hours for Apple.
- Managed projects using the agile approach, and worked closely with stakeholders globally to ship products on time.
- Tech Stack: Python, Swift, SwiftUI, XCode, AppleScript, Git.

DanXi: a third-party app for Fudan University students

Backend Developer Intern

Shanghai, China

Apr 2022 - Jul 2022

- Developed and optimized REST APIs, reducing response times and improving overall service performance by 30%.
- Implemented database interactions using TortoiseORM, leading to 25% improvement in data retrieval and processing speeds.
- Tech Stack: Python, FastAPI, TortoiseORM, Git, PostgreSQL.

Malaysians in Fudan (MIF) Student Association

Vice President

Shanghai, China

Jan 2022 - Jan 2023

- Organized multiple events, including the 'MIF Data Processing Workshop' which attracted over 60 participants.
- Collaborated with Shopee to promote the 'Shopee Code League 2022,' resulting in a 10% increase in campus participation.

PROJECTS

JPMorgan Chase & Co. Quantitative Research Simulation Program

Link: <https://github.com/JinnyWong/JPMorgan-QR>

Nov 2023 - Feb 2024 (Completed)

- Analyzed & extrapolated data to predict future monthly natural gas prices.
- Created a prototype pricing model to price a commodity storage contract.
- Used dynamic programming to convert FICO scores into categorical data to predict defaults.

Jay's Coffee web app

Link: <https://jayscoffee.vercel.app>

Jan 2024 (Completed)

- Developed an e-commerce web application with authentication, CMS, sales dashboard & 3D map navigation features.
- Tech stack: TypeScript, Next.js, PostgreSQL, Prisma, Stripe API, Cloudinary API, MappedIn Web SDK, Vercel & etc.

Machine Learning course projects

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

Sep 2023 - 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) using PyTorch, to recognize handwritten digits in the MNIST dataset.

SKILLS

- **Development:** JavaScript, TypeScript, React.js, PostgreSQL, MongoDB, Swift, SwiftUI, FastAPI, C++
- **Machine Learning:** Python (Pandas, NumPy, Matplotlib, Seaborn, ScikitLearn, PyTorch & etc.)
- **Math:** Linear Algebra, Statistics & Probability
- **Languages:** English, Chinese, Malay
- **Others:** LaTeX, Git, Linux, SSH, Docker, Agile project management

AWARDS

WorldQuant Challenge

Bronze Medal

Jan 2024

- Designed and tested alphas using fundamental, technical, cross-sectional & time-series analysis.
- Submitted 3 US stock alphas and 1 Chinese stock alpha, which scored over 4000 points.