

WONG JING YUAN

✉ jinnyyong2002@gmail.com — ☎ (+86)-18817621795 — 🌐 <https://jinny.work>

EDUCATION

Fudan University

BSc. in Computer Science

Sep 2021 - Expected July 2025

Shanghai, China

- Relevant coursework: Machine Learning, Statistics & Probability, Linear Algebra, Data Structures & Algorithms, Data Mining, Object-Oriented Programming with C++, Database Systems, Software Engineering & etc.

WORK EXPERIENCE

Apple

Information Systems and Technology Internship Program

Shanghai, China

Mar 2024 - Present

DanXi: a third-party app for Fudan University students

Backend Developer Intern

Shanghai, China

Apr 2022 - Jul 2022

- Collaborated with backend team to design, develop, and deploy backend solutions using Python, 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

Shanghai, China

Jan 2022 - Jan 2023

- Led council board in organizing events, including the 'MIF Data Processing Workshop 2022'.
- Collaborated with Shopee to promote 'Shopee Code League 2022' within campus.

RESEARCH & 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.
- Create 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 application

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

Jan 2024 (Completed)

- Developed an online e-commerce store with admin 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

- **Full Stack Development:** HTML, Tailwind CSS, JavaScript, TypeScript, React, Next.js, PostgreSQL, MongoDB, Go
- **Data Science:** Python(Pandas, NumPy, Matplotlib, Seaborn ScikitLearn, PyTorch, TensorFlow & etc.), C++, PowerBI
- **Math:** Linear Algebra, Statistics & Probability
- **Finance:** Options Pricing
- **Languages:** Chinese, English, 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.

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, devised an innovative business plan for an existing SME to digitalize their current business and operations.