

Yanping Weng

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EDUCATION

Fudan University, Shanghai, China

Master of Science in Bioinformatics

Thesis Title: Analysis of transcriptomic characteristics of brain lesions in intractable epilepsy

Sep 2021 — Jun 2024

Cumulative GPA: 3.3/4.00

China Agriculture University, Beijing, China

Bachelor of Agriculture: Animal Science

Bachelor of Economics: Finance (Double Degree)

Sep 2017 — Jun 2021

Cumulative GPA: 3.41/4.00

Cumulative GPA: 3.27/4.00

RESEARCH EXPERIENCE

GenePlus Company

Bioinformatics Scientist

Shenzhen, China

Jun 2024 — Present

- cfDNA methylation Project
- cfRNA Project

Human Phenome Institute, Fudan University

Master's Thesis

Shanghai, China

Sep 2021 — Jun 2024

- Transcriptomic data analysis.

WORK EXPERIENCE

GenePlus

Bioinformatics Scientist

Shenzhen, China

Jun 2024 — Present

PROJECTS

End-to-End Multi-Omics Analysis Pipeline (WDL/Docker) (Personal Project — [GitHubLink](#))

Dec 2021

- Developed a reproducible and scalable bioinformatics pipeline to automate the analysis of RNA-seq, DNA methylation, scRNA-seq, metabolomics and genomics.
- Engineered modular workflow tasks (FastQC, STAR, Bowtie2, DESeq2, MACS2) using WDL, with all tools containerized using Docker for consistent execution across environments.

Working paper

- Decoding Epilepsy's Molecular Blueprint: Machine Learning Unravels Transcriptomic Subtypes and Regulatory Networks.

AWARDS

Rongyi Scholarship

Awarded to top-performing students for outstanding academic achievements.

Beijing, China

Mar 2018

National Encouragement Scholarship (2X)

Awarded to top 10% of students for academic excellence.

Beijing, China

Jun 2019 & Jun 2020

Academic Excellence Scholarship (3X)

Awarded to top-performing students for outstanding academic achievements.

Beijing, China

Mar 2018 & Mar 2019 & Mar 2020

Excellence in Social Work Scholarship

Awarded to outstanding student leaders for contributions to campus organizations.

Beijing, China

Jun 2019

OTHER EXPERIENCES

Sanofi (China) Co., Ltd., Shanghai

Medical Department Intern

Shanghai, China

Dec 2023 — Jun 2024

The Youth League Branch, Institute of Human Phenome, Fudan University

League secretary

Shanghai, China

Sep 2021 — Jun 2024

European Academic & Industry Study Tour

Exchange Program

Europe

Summer 2019

Student Union, CAST, China Agricultural University

Minister

Beijing, China

Sep 2018 — Sep 2019

SKILLS

- **Programming:** Python, R, C, Perl, Linux, WDL
- **Multi-omics analysis:** Experienced in transcriptomics, genomics, and DNA methylation analysis; familiar with integrative approaches across different omics layers.
- **Language:** English (IELTS 7.0), Japanese (JLPT N3), Chinese (native)