



## Yunwei Dai

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## EDUCATION

### •BSc in Psychology

2017-2021

East China Normal University, Shanghai, China

CGPA/Percentage: 83.97

- Supervisor: Prof. Xiaolin Zhou
- Thesis title: Does occurrence frequency influences holistic processing of Chinese characters? Evidence from an SSVEP study

## EXPERIENCE

### •Data Processing Intern

Dec 2022 - Mar 2023

Buena Suerte

Taichung, Taiwan

- Supervisor: Steven Wang
- Accumulated potential customers' info by developing Python web scrapers
- Data cleaning and integration
- Build a database of 25,000 potential customers in one month

### •Research Intern

May 2020 - Jan 2022

Xinhua Hospital

Shanghai, China

- Supervisor: Xin Liu
- Behavioral and fNIRs data collection on child subjects
- Designed data pre-processing pipelines and guidelines to ensure reproducible research
- Developed a Matlab GUI app for convenient data pre-processing workflow
- Behavioral data analysis (Data cleaning and batch processing using Python)
- Analyzed resting-state fNIRs data with a graph theory approach

### •Summer Research Intern

July 2020 - May 2021

Language And Cognition Lab, University College of London

Remote

- Supervisor: Dr. Gwen Breckelmans ; PI: Prof. Gabriella Vigliocco
- Data labeling using Praat
- Modify Python scripts used for data pre-processing

## ACTIVITIES

### •Volunteer TA

2021

Course: Research Methods in Psychology; Lecturer: Chenbo Wang, East China Normal University

Shanghai, China

- Provided technical support and guidance in Matlab and EEGLAB toolbox
- Helped develop Machine Learning section of the course

### •Volunteer

2020

Neuromatch Academy

Remote

- Assisted Dr. Songting Li in China regional coordination tasks
- Translated course materials

### •Head of Student Activity Department

2020

Students' Union, East China Normal University

Shanghai, China

- Managed a team of 20 students and responsible for two major projects
- Organized an evening gala that attracted over 600 attendance
- Managed the training program and courses for Students' Union newcomers

## TECHNICAL SKILLS

**Languages:** Chinese(Native), English(Advanced, IELTS 7.5, CEFR level C1)

**Programming Languages:** Python, Matlab, R

**Neuroimaging:** EEG, fMRI, fNIRS experiment design, data collection, pre-processing and analysis; experience with SPM12 and EEGLAB

**IT skills:** Git, Website Basics (HTML, CSS and Javascript), Website hosting and maintenance, Linux basics, Discord bots development, Office automation

**Soft Skills:** Project Management

## CERTIFICATES

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- Deep Learning Specialization** DeepLearning.AI *Apr 16th, 2023*
- Data Science Specialization** JHU *July 29, 2022*
- Google Project Management** Google *Nov.22, 2021*
- NMA-Deep Learning** Completion of the interactive track and the course project of NMA-Deep Learning *Aug 20th, 2021*
- NMA-Computational Neuroscience** Completion of the interactive track and the course project at the inaugural Neuromatch Academy *July 31st, 2020*