

# Sheng Mai

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Gower Street, London N17 9BJ, UK

## EDUCATION

### University College London

London

*Cognitive Neuroscience; Master of Science*

9/2020 - 1/2022

**Major Coursework:** Current Issues in Cognitive Neuroscience; Communication Skills in Cognitive Neuroscience; Introduction to Statistics in Psychology; Neuroimaging; Lesion Approaches

### University of Essex

Colchester

*Psychology; Bachelor of Science*

9/2017 - 7/2020

**Major Coursework:** Developmental Psychology; Statistics for Psychologists(79%+); Social Psychology; Political Economy

### University of Warwick

Colchester

*Social science; Warwick International Foundation Programmed*

9/2016 - 7/2017

**Major Coursework:** Psychology; Economic; Sociology; Politics

### CIE A-Level (self-taught)

China

*A-Level: Mathematics (A\*), Psychology (B)*

7/2015-10/2015

## RESEARCH EXPERIENCES

### Research on electrophysiology and neurofeedback in neurodegenerative diseases

- Sort out the progress of electrophysiological mechanisms of neurodegenerative disorders.
- Explore the relationship between neurons and glial cells during aging.
- Summarize and analyze the improvement of cognitive symptoms by non-pharmacological therapies.

### Depression and Adolescent Suicidal Tendency Prediction Research

- Differences and correlations analysis between suicide or depression and anhedonia, attachment, social support, and childhood abuse.
- Multiple regression analysis of measures before and after suicidal ideation and depression.

### Research on Heart Rate Variability for the prediction of psychotropic medication outcome and quality of life

- Data processing and analyzing among the HRV, medication outcome and QoL.
- Summarize and report the potential prediction from HRV on medication outcome and QoL among the different psychiatric Disorders group.

### Making a video on the mechanisms of game addiction in brain.

- It is lovely and interesting [Video](#).

## PUBLICATIONS

Electrophysiological mechanisms in neurodegenerative disorders and role of non-pharmacological therapies in improving cognitive symptoms. (Under review)

## INTERN EXPERIENCE

### Summer Psychological Volunteer Activities (Renmin University of China)

Beijing

Psychological Counselor

7/2019 - 8/2019

- Engage in daily psychological consultation services and receive over 30 cases of psychological consultation and counseling.
- Analyze and complete psychological counseling reports; collect and process data of national projects

### Online Suicidal Mutual Aid Association (Chinese Mental Health Association)

Online

Experimenter

12/2018 – 3/2019

- Conduct research of suicide risk assessment, interpersonal relationship theories and "action conception" framework.
- Offer structural guidance for volunteers, thus ensuring effective relief.

**Beijing Youth Mental Disease Counseling Center**

Research assistant

**Beijing**

7/2018 – 8/2018

- Read books and articles related to contemporary adolescent mental illness, and finish reading reports;
- Interview and record over 20 internet addicted teenagers' psychological conditions and provided appropriate suggestions; put information recorded into an investigation report for subsequent treatment.

**HONOR & AWARD**

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Excellent psychological service volunteer (Renmin University of China)

8/2019

**SKILLS & INTERESTS**

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**Languages:** Fluent English, Native Mandarin and Cantonese.**Technical Skills:** SPSS and R; Image editing; Neuroimage analysis and extract features(fMRI); Human Electrophysiology recording and analysis (EEG); Questionnaire choose; Python; MATLAB