Sheng Mai

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EDUCATION

Massachusetts Institute of Technology   **Online**
Statistics and Data Science; MicroMasters   (expected)11/2023 - 02/2023
Major Coursework: Machine Learning; Statistics analysis

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
- Date 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](#).

Design and programing on game Ludum Dare 52
- It is lovely and interesting [Game](#).

PUBLICATIONS

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

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 **Beijing**
Research assistant 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

Excellent psychological service volunteer (Renmin University of China) 8/2019

SKILLS & INTERESTS

Languages: Fluent English, Native Mandarin and Cantonese.
Technical Skills: SPSS and R; Image editing; Neuroimage analysis and extract features(fMRI); DNA extraction from mice tissues; PCR; Western blotting; Human Electrophysiology recording and analysis (EEG); Questionnaire choose; Python; MATLAB;Unity3D