Johnathan Yap Wen Jie

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EDUCATION & PROFESSIONAL CERTIFICATIONS

National University of Singapore   2024
Professional Certificate in Clinical Practice and CBT Foundations for Adults [here]

National University of Singapore   2019 – 2023
Bachelor of Arts with Honours (Psychology); Grade: Distinction (2:1)

RELEVANT PROFESSIONAL DEVELOPMENT

National University of Singapore   2025
Data Literacy Program (Intermediate) and Artificial Intelligence Competency Course (Intermediate)

Samaritans of Singapore & CAMS-care   Aug 2024
Collaborative Assessment and Management of Suicidality [here]

National University of Singapore   Nov 2024
Foundations of Cognitive Behavioural Therapy

American Psychiatric Association   Jun 2024
Motivational Interviewing for People with Serious Mental Illness [here]

Stanford Medicine   Oct 2023
Cognitive Behavioural Therapy for Psychosis [here]

PROFESSIONAL EXPERIENCE

NUS Office of the President (Health and Wellbeing)   Feb 2024 – Present
Associate Psychologist (Senior Executive)
- Led data science efforts by implementing models forecasting trends, optimise resource allocation, and enhance client outcomes
- Designed and implemented Prophet and Gradient Boosting models, achieving a 11% average prediction error over a 10 year period
- Conducted bi-weekly intake sessions for clients under clinical supervision from registered clinical psychologists
- Delivered on-site crisis interventions, using evidence-based techniques (CBT) to de-escalate and stabilise individuals in acute distress
- Built a dynamic tiered care system with JavaScript and Python, enabling mental health tiered care assignment for >48,000 students
- Automated the entire online therapy registration workflow for staff [here], incorporating innovative risk flagging methods
- Implemented a Python-based, data-driven case assignment algorithm on Streamlit, halving new intake assignment time

Ministry of Social and Family Development (Child Protective Services)   Jul 2023 – Feb 2024
Child Protection Officer (Assistant Manager)
- Led triage processes for child protection cases, ensuring timely and accurate intake management of violence and abuse cases
- Screened inquiries and allocated cases to various agencies using standardized assessment tools to streamline workflows
- Conducted social investigations and case management involving alleged abuse or neglect by parents or caregivers of children
- Provided emotional support to children and families, demonstrating empathy in high-stress and sensitive situations
- Leveraged R, Python, and Power BI to optimize data extraction, predictive modeling, and risk assessment processes
- Developed a reverse-geocoding tool to map child protection case locations, enhancing geographic accuracy

Temasek Trust   Jan 2023 – Jun 2023
Communications and Engagement Intern

Singapore Prison Service (Psychological and Correctional Rehabilitation Division)   May 2022 – Jul 2022
Research Intern

Ministry of Social and Family Development (Child Protective Services)   Dec 2021 – Feb 2022
Child Protection Intern (Intake-ALERT)

NUS Office of the President (Health and Wellbeing)   Jul 2021 – Jul 2022
Communications and Branding Assistant

Singapore Police Force (Police Psychological Services Department)   Sep 2021 – Dec 2021
Research Intern

Central Narcotics Bureau (Communications Division)   May 2021 – Jul 2021
Communications Intern

NUS Situated Goal Pursuit Lab   Jan 2021 – Jul 2021
Undergraduate Research Assistant

Singapore Police Force (Airport Police Division)   Apr 2017 – Feb 2019
Police Officer (Ground Response Force)

RELEVANT RESEARCH

1. **Yap, J.,** (2025, July). *Monte Carlo Simulation for Optimising University Mental Health Services* [Poster presentation]. Singapore Mental Health Conference 2025, Singapore [pending]

2. **Yap, J.,** & Muhamad, H. (2025, June). *Network psychopathology: leveraging vulnerability and simulation methods for mental health triaging* [Oral presentation]. International Mental Health Conference 2025, Australia [here]

3. **Yap, J.,** Yeo, D., Chu, J., & Tay, A. (2025, February). *Triaging and Risk Automation System For Mental Health* [Poster presentation]. Global Mental Health in Asia 2025, Singapore. [here] (password: #GMHasia2025)

4. **Yap, J.** (2024, December). *Analysing mental health discourse on mindline.sg* [Poster presentation]. Higher Education Conference in Singapore (HECS) 2024, Singapore. [here]

RELEVANT SKILLS

- Branding and Illustrations (e.g., Photoshop, Illustrator, Figma)
- Coding Languages and Software (e.g., HTML, CSS, JavaScript, React, Python, PowerBI)
- R Studio (e.g., data wrangling, web scraping, geospatial analysis)

RELEVANT AWARDS

NUS SPOT Award (2024)
Recognised for outstanding performance and contributions in mental health innovation at the National University of Singapore