

Johnathan Yap Wen Jie

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EDUCATION & PROFESSIONAL CERTIFICATIONS

National University of Singapore Professional Certificate in Clinical Practice and CBT Foundations for Adults [here]	2024
National University of Singapore Bachelor of Arts with Honours (Psychology); Grade: Distinction (2:1)	2019 – 2023

RELEVANT PROFESSIONAL DEVELOPMENT

National University of Singapore Professional Certificate in Basic Artificial Intelligence and Machine Learning [here]	2025
Samaritans of Singapore & CAMS-care Collaborative Assessment and Management of Suicidality [here]	Aug 2024
National University of Singapore Foundations of Cognitive Behavioural Therapy	Nov 2024
American Psychiatric Association Motivational Interviewing for People with Serious Mental Illness [here]	Jun 2024
Stanford Medicine Cognitive Behavioural Therapy for Psychosis [here]	Oct 2023

PROFESSIONAL EXPERIENCE

NUS Office of the President (Health and Wellbeing) <i>Associate Psychologist (Senior Executive)</i> <ul style="list-style-type: none">• Oversaw 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• Facilitated daily clinical intake assessments for individuals presenting with anxiety, mood, and workplace concerns• 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 therapy registration with a risk algorithm, flagging all high-risk cases and saving 30 staff hours/week• Built in-house React + Typescript web apps for crisis rostering, room allocation and case assignment, resulting in cost savings of over \$20,000	Feb 2024 – Present
Ministry of Social and Family Development (Child Protective Services) <i>Operations Strategy Analyst (Assistant Manager)</i> <ul style="list-style-type: none">• 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• Created ML models to predict likelihood of harm recurrence for risk assessment purposes	Jul 2023 – Feb 2024

Temasek Trust <i>Communications and Engagement Intern</i>	Jan 2023 – Jun 2023
Singapore Prison Service (Psychological and Correctional Rehabilitation Division) <i>Research Intern</i>	May 2022 – Jul 2022
Ministry of Social and Family Development (Child Protective Services) <i>Child Protection Intern (Intake-ALERT)</i>	Dec 2021 – Feb 2022
NUS Office of the President (Health and Wellbeing) <i>Communications and Branding Assistant</i>	Jul 2021 – Jul 2022
Singapore Police Force (Police Psychological Services Department) <i>Research Intern</i>	Sep 2021 – Dec 2021
Central Narcotics Bureau (Communications Division) <i>Communications Intern</i>	May 2021 – Jul 2021
NUS Situated Goal Pursuit Lab <i>Undergraduate Research Assistant</i>	Jan 2021 – Jul 2021
Singapore Police Force (Airport Police Division) <i>Police Officer (Ground Response Force)</i>	Apr 2017 – Feb 2019

RELEVANT RESEARCH

1. **Yap, J.**, (2025, July). *Monte Carlo Simulation for Optimising University Mental Health Services* [Poster presentation]. Singapore Mental Health Conference 2025, Singapore [\[here\]](#)
2. **Yap, J.**, & Muhamad, H. (2025, June). *Understanding network psychopathology* [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

Home Team Achievement Award (2018)