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   Jun 2025
Professional Certificate in Basic Artificial Intelligence and Machine Learning [here]

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)
- Developed Pathway, a full-stack React + Python application that automates mental health tiered care classification and assignment for 48,000+ students, integrating data-driven decision logic to optimise care distribution
- 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
- Completed 100+ supervised clinical hours involving risk assessment, case formulation, and therapeutic interventions
- Automated therapy registration with NLP-driven risk detection with >95% accuracy, cutting 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

Ministry of Social and Family Development (Child Protective Services)   Jul 2023 – Feb 2024
Operations Strategy Analyst (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 [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)