

Chaojie Bu

Psychology-trained digital health builder | Public CV for PhD/HDR Review | Public website: chaojiebu.com

Public version without phone, private email, employer identifiers, referee details, identity documents, transcripts, or patient/client records.

Summary

Chaojie Bu is a psychology-trained digital health builder with international psychology education, hospital-based psychological medicine workflow exposure in China, verified publication evidence, and product implementation work across digital mental health, self-reflection, lifestyle apps, and personal agency systems. His current research direction sits at the intersection of psychological assessment, responsible digital mental health, patient-reported outcomes, measurement-based care, wellbeing tracking, clinical outcome observation, interpretable prediction, calibration, safety/bias audit, and implementation usefulness.

Education

- MSc Psychology with Merit, Bangor University, United Kingdom, 2019-2020. Dissertation: Gender and Age Differences in the Recall of Autobiographical Memories Using the Autobiographical Memory Recollection Test. Degree certificate dated 2020-12-01.
- BSc Psychology, Arizona State University, United States, 2013-2018. Degree conferred 2018-05-07.

Clinical / Hospital-Based Experience

- Hospital-based psychological medicine workflow experience in a tertiary hospital in China.
- Support for high-volume psychological assessment and routine clinical measurement workflows, including structured report communication and non-diagnostic workflow support.
- Assessment exposure includes PHQ-9, GAD-7, HAMD, HAMA, MMPI, and SCL-90 depending on departmental workflow and clinical requirements.
- TMS / neurostimulation-related workflow support under departmental protocols, including operation support, parameter recording, treatment-course observation, and patient education.
- Near-infrared brain function imaging and EEG-related workflow exposure within departmental boundaries.
- Patient-reported outcome observation, clinical support communication, clinical service documentation, and research-adjacent data awareness.
- Professional boundary: China-certified Intermediate Psychological Therapist. This CV does not claim Australian psychologist registration, medical doctor status, psychiatrist status, prescribing authority, independent diagnosis authority, crisis intervention, or guaranteed outcomes.

Research Direction

- Applied AI for psychological assessment and responsible digital mental health implementation.
- AI-assisted self-reflection, emotional insight, wellbeing tracking, patient-reported outcomes, and measurement-based care with conservative safety boundaries.
- Engagement, dropout, deterioration, triage, symptom trajectory, stepped-care need, and implementation usefulness in digital or clinical mental health services.
- Interpretable prediction, calibration, uncertainty communication, safety/bias audit, subgroup sensitivity, and practical deployment constraints.
- TMS / neurostimulation-related outcome observation as a workflow-adjacent research interest, without claiming treatment authority.

Publication Evidence

- First-author PubMed-indexed evidence: Bu, C., Hu, S., Yu, J., Li, N., Gu, J., Sheng, Z., Yan, Z., & Bu, X. Fear stress promotes glioma progression through inhibition of ferroptosis by enhancing FSP1 stability. *Clinical and Translational Oncology*. 2023;25(5):1378-1388. DOI: 10.1007/s12094-022-03032-1. PubMed PMID: 36484954.
- First-author Chinese clinical mental health article: Bu, C., Li, H., & Zhang, H. Effects of cyclic breathing and mindfulness meditation on emotional and physiological states in patients with anxiety disorders. *Journal of Medical Forum*. 2025;46(10):1039-1042, 1049. DOI: 10.20159/j.cnki.jmf.2025.10.007. Presented as clinical mental health research evidence involving PANAS, STAI, HRV, emotional outcomes, and physiological outcome monitoring, not as PubMed-indexed evidence.

- Selected co-authored PubMed-indexed record: Wang, D., Zhang, J., Liu, G., Bu, C., et al. Emotional distress impairs immune checkpoint blockade efficacy in recurrent high-grade glioma: Insights from tumor in situ fluid analysis. *Neuro-Oncology Advances*. 2026. DOI: 10.1093/noajnl/vdag040. PubMed PMID: 41778154. Co-authored record relevant to psychological distress screening, PHQ-9/GAD-7, and clinical outcomes.
- Selected co-authored PubMed-indexed record: Sheng, Z., Bu, C., Mei, J., Xu, S., Zhang, Z., et al. Tracking tumor evolution during the first-line treatment in brain glioma via serial profiling of cell-free tumor DNA from tumor in situ fluid. *Frontiers in Oncology*. 2023;13:1238607. DOI: 10.3389/fonc.2023.1238607. PubMed PMID: 37920153. Included as broader clinical/translational research-collaboration evidence.

Digital Health / Product Implementation Evidence

- Mind Portrait: AI-assisted, non-diagnostic self-reflection and wellbeing tracking prototype. Positioned as a research-adjacent implementation concept, not a diagnostic, treatment, emergency, or risk-assessment tool.
- SeYun Outfit: consumer-facing iOS lifestyle and daily color-guidance app preparing for overseas App Store launch. Evidence of product implementation, localization, privacy-aware product workflow, App Store compliance infrastructure, and careful symbolic/lifestyle claim boundaries.
- Survivor Starter Manual: digital guide focused on personal agency, resilience, energy management, personal systems, digital leverage, and long-term life design. Public wording avoids workplace grievances and unsupported institutional claims.
- Static website infrastructure: English-first professional website with Next.js static output, App Store privacy/support/data-deletion pages, no backend database, no login, no payment flow, and no public collection of sensitive records.

Selected Skills

- Psychological assessment workflow and routine clinical measurement support, including PHQ-9, GAD-7, HAMD, HAMA, MMPI, and SCL-90 exposure within workflow boundaries.
- Patient-reported outcome observation, PANAS/STAI/HRV-style outcome indicators, wellbeing tracking, and clinical outcome observation with conservative scope language.
- Clinical support communication and TMS / neurostimulation-related workflow exposure, including parameter recording, treatment-course observation, patient education, and near-infrared / EEG-related workflow exposure.
- Applied AI framing for non-diagnostic self-reflection, digital mental health prototypes, interpretable prediction, calibration, uncertainty communication, and safety/bias audit.
- Digital product implementation, App Store compliance support pages, static web architecture, privacy-aware product documentation, and AI-assisted coding/writing workflows.
- Academic English communication, Chinese-English public communication, writing, content systems, and long-term personal operating systems.

Languages

- Chinese: native professional and public communication.
- English: academic study and professional communication across international psychology education and public-facing product materials.

Professional Boundaries

This public CV intentionally omits sensitive application materials, exact workplace identifiers, referee details, personal phone numbers, private email addresses, identity documents, transcripts, and medical or psychological records. Publications, degrees, product links, affiliations, awards, licenses, and achievements should be expanded only when verified by source material suitable for public use.

Current Availability for Academic Review

This CV is designed to support PhD/HDR supervisor review and serious academic or product conversations. Full application-specific documents can be shared through the appropriate private application or supervisor communication channel.