

Yu-Ming Chen, M.D.

Fellow in Child and Adolescent Psychiatry, Taipei Veterans General Hospital, Taipei, Taiwan
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EDUCATION

Bachelor of Science, National Taiwan University, Taipei, Taiwan Sep 2016 – Jun 2024
Double Major: Mathematics and Computer Science & Information Engineering
Cumulative GPA: 4.26/4.30 (Rank: 1st out of 41)

Leaves of absence to fulfill extensive clinical responsibilities in hospitals:

- Sep 2016 – Jun 2017
- Sep 2020 – Feb 2021

Doctor of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan Sep 2008 – Jun 2015
Cumulative GPA: 4.16/4.30 (Rank: 2nd out of 168)

Senior High School Diploma, Sacred Hearts High School, Yunlin, Taiwan Sep 2005 – Jun 2008

PROFESSIONAL CERTIFICATION

Board Certification in Psychiatry, Taiwan Board of Psychiatry Nov 2024

WORK EXPERIENCE AND PROFESSIONAL EDUCATION

Taipei Veterans General Hospital, Taipei, Taiwan Aug 2024 – Present
Fellow in Child and Adolescent Psychiatry

- Assess and manage children and adolescents with neurodevelopmental disorders, psychosis, mood disorders, and anxiety disorders.
- Develop and implement individualized treatment plans that integrate pharmacological management, psychotherapy, and social-emotional education.
- Collaborate with multidisciplinary teams, including psychologists, occupational therapists, social workers, nursing staff, and educators, to deliver comprehensive and holistic care.
- Conduct family therapy sessions and provide psychoeducation to caregivers to support effective management of social and emotional challenges.
- Supervise and mentor psychiatric residents, fostering their clinical skills and knowledge in child and adolescent psychiatry.

Psychiatry Resident Aug 2020 – Jul 2024

- Conducted comprehensive psychiatric evaluations for patients across all age groups with conditions such as mood disorders, psychosis, substance use disorders, and neurocognitive impairments.
- Delivered inpatient and outpatient care through individualized treatment plans, incorporating medication, psychotherapy, rehabilitation, and family therapy.
- Provided crisis intervention, including suicide risk assessments and the management of psychiatric emergencies.
- Collaborated with multidisciplinary teams, including psychologists, social workers, and nursing staff, to deliver integrated and patient-centered care.

Kaohsiung Medical University Chung-Ho Memorial Hospital, Kaohsiung, Taiwan Aug 2016 – Jul 2017
Resident Physician in Taiwan's Postgraduate Year (PGY) Medical Training Program

- Completed a structured transitional medical training program in Taiwan, focusing on holistic patient care across various medical specialties.
- Rotated through specialties including internal medicine, surgery, pediatrics, and obstetrics & gynecology, collaborating with multidisciplinary teams to diagnose and manage complex patient cases under the supervision of attending physicians.

Ministry of Health and Welfare, Taipei, Taiwan Jul 2015 – Jun 2016
Substitute Military Service

- Provided administrative support for medical affairs and healthcare policy development.

National Taiwan University Hospital, Taipei, Taiwan Jun 2014 – May 2015
Medical Intern

- Rotated through various medical specialties to develop foundational clinical skills and multidisciplinary knowledge.
- Provided hands-on patient care under close supervision, focusing on the diagnosis, treatment, and management of diverse medical conditions.

PUBLICATIONS

Conference Papers

- **Under Review.** Xin-Yu Chen (co-first author), **Yu-Ming Chen (co-first author)**, Chin-Po Chen, Bo-Hao Su, Susan Shur-Fen Gau, and Chi-Chun Lee. *SocialRecNet: A Multimodal LLM-Based Framework for Assessing Social Reciprocity in Autism Spectrum Disorder*.

RESEARCH PROJECT

Multimodal Assessment of Autism Spectrum Disorder Using Large Language Models Apr 2024 – Sep 2024

- **Role:** Collaborative researcher affiliated with Taipei Veterans General Hospital, working alongside the research team led by Prof. Chi-Chun Lee at National Tsing Hua University.
- **Project Overview:** Investigated the potential of large language models (LLMs) to evaluate autism using dialogue recordings and transcripts from the Autism Diagnostic Observation Schedule (ADOS), a standardized tool employed by clinical experts to assess social interactions and behavioral manifestations based on specific ADOS coding items.
- **Key Contributions:**
 - Conducted an extensive literature review to propose and design a model architecture integrating prosodic-acoustic entrainment concepts with a multimodal LLM framework.
 - Identified and selected relevant ADOS coding items as labels to ensure reliable analyses consistent with clinical practices.
 - Collaborated with team members to explore and evaluate various prompt formulations to optimize model performance.
 - Collaborated with team members to analyze experimental results from both clinical and technical perspectives, iteratively refining the model to enhance its ability to capture human interaction dynamics.

COMMUNITY SERVICE PROJECT

Healthcare and Education for Eastern Taiwan's Coastal Communities Apr 2014 – Aug 2014

- **Role:** Project Lead and Founder
- **Project Overview:** Led a community service initiative to enhance healthcare and educational resources in Eastern Taiwan's coastal regions. The project involved providing medical assistance, tutoring children, and engaging with local organizations and institutions. This initiative was part of the Touching Taiwan Youth Travel Program, launched by the Ministry of Education, Taiwan, in 2014.
- **Key Contributions:**
 - **Healthcare Support:** Delivered medical care and support services at local nursing centers.
 - **Educational Outreach:** Participated in educational programs, including tutoring sessions and consulting, and facilitated art therapy workshops to promote academic growth, creativity, and mental health among children in underserved communities.
 - **Community Engagement:** Partnered with local organizations to implement sustainable initiatives addressing healthcare and educational needs.

AWARDS

Dean's Award, College of Science, National Taiwan University May 2024

- Recognized for ranking in the top 10% of Bachelor's degree graduates in the College of Science, National Taiwan University.

Best Chief Resident Award, Department of Psychiatry, Taipei Veterans General Hospital Jul 2024

- Recognized for leadership, clinical excellence, and outstanding contributions to patient care and resident education.

Best Intern Award, National Taiwan University Hospital May 2015

- Awarded for exceptional performance during the medical internship program.

Dean's Award, College of Medicine, Kaohsiung Medical University Jun 2015

- Ranked 2nd among 168 medical graduates, demonstrating outstanding academic performance.

Group Award, Touching Taiwan Youth Travel Program, Ministry of Education, Taiwan Oct 2014

- Awarded for successfully implementing a community service project that addressed societal needs in underserved regions of Taiwan.