

## Yu-Ming Chen, M.D.

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

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**Kaohsiung Medical University**, Kaohsiung, Taiwan  
Doctor of Medicine

Sep 2008 – Jun 2015

**National Taiwan University**, Taipei, Taiwan  
Bachelor of Science

Sep 2016 – Jun 2024

Specialization: Double Major in Mathematics and Computer Science

Cumulative GPA: 4.26/4.30

### PROFESSIONAL CERTIFICATION

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**Board Certification in Psychiatry**, Taiwan Board of Psychiatry

Certified 2024

### WORK EXPERIENCE AND PROFESSIONAL EDUCATION

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

Aug 2024 – Present

- Assess and manage children and adolescents with neurodevelopmental, psychotic, mood, and anxiety disorders.
- Develop individualized treatment plans incorporating pharmacological management, psychotherapy, and social skills interventions.
- Collaborate with multidisciplinary teams (psychologists, occupational therapists, social workers, nursing staff, and educators) to provide comprehensive care.
- Conduct family therapy sessions and deliver psychoeducation to caregivers on social and emotional challenges.
- Supervise and mentor psychiatric residents in child and adolescent psychiatry.

*Psychiatry Resident*

Aug 2020 – Jul 2024

- Performed psychiatric evaluations for diverse age groups with conditions such as mood disorders, psychosis, substance use disorders, and neurocognitive disorders.
- Delivered inpatient and outpatient psychiatric care through tailored treatment plans including medication and psychotherapy.
- Provided crisis intervention, including suicide risk assessments and management of acute psychosis and mania.
- Worked with multidisciplinary teams to ensure integrated and holistic patient care.

**Kaohsiung Medical University Hospital**, Kaohsiung, Taiwan  
*Resident in Taiwan's Postgraduate Year (PGY) Program*

Aug 2016 – Jul 2017

- Completed structured transitional medical training in Taiwan.
- Rotated through multiple medical specialties, collaborating with multiple disciplines to diagnose and manage patients under attending physician supervision.

**Ministry of Health and Welfare, Department of Medical Affairs**, Taipei, Taiwan  
*Substitute Military Service*

Jul 2015 – Jun 2016

- Provided administrative support for healthcare policy development and implementation.
- Assisted in organizing public health campaigns and educational initiatives.

**National Taiwan University Hospital**, Taipei, Taiwan  
*Intern*

Jun 2014 – May 2015

- Rotated through multiple medical specialties to acquire foundational clinical skills and knowledge.
- Participated in direct patient care under supervision, focusing on diagnosis, treatment, and management of diverse conditions.

### PUBLICATIONS

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#### 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

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### Exploratory Multimodal Autism Assessment Using Large Language Models

Apr 2024 – Sep 2024

- **Role:** Collaborative researcher on a project led by Prof. Chi-Chun Lee at National Tsing Hua University, affiliated with Taipei Veterans General Hospital and supervised by Dr. Mu-Hong Chen, Chief of Child and Adolescent Psychiatry.
- **Project Overview:** Explored the LLMs' potential in evaluating autism from dialogue recordings and transcripts of the Autism Diagnostic Observation Schedule (ADOS), a standardized tool used by clinical experts to assess social interactions through specific ADOS coding items.
- **Key Contributions:**
  - Literature Survey: Conducted literature surveys to propose and design the model architecture by integrating prosodic-acoustic entrainment concepts with a multimodal large language model framework.
  - Selected and mapped key ADOS coding items to serve as reliable labels, ensuring clinical relevance and consistency in the analysis.
  - Participated in the prompt design, investigating various prompt structures and formulations to optimize model performance.
  - Analyzed experimental results from computational and clinical perspectives, iteratively refining the model to better replicate human interaction dynamics.

## COMMUNITY SERVICE PROJECT

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### Healthcare and Education for Eastern Taiwan's Coastal Communities

Feb 2014 – June 2014

- **Role:** Project Lead and Founder
- **Project Overview:** Led a comprehensive community service initiative to enhance healthcare and educational resources in Eastern Taiwan's coastal regions. The project involved medical assistance, educational tutoring for children, and community engagement with local organizations and institutions.
- **Key Contributions:**
  - **Healthcare Support:** Provided medical care and support services at local nursing and healing centers.
  - **Educational Outreach:** Participated in educational programs, including tutoring and consulting sessions, and facilitated art therapy workshops to promote academic growth, creativity, and mental health for children in underserved communities.
  - **Community Engagement:** Partnered with local organizations and institutions to develop and implement sustainable community-based initiatives addressing healthcare and educational needs.

## AWARDS

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Dean's Award, College of Science, National Taiwan University	May 2024
Best Chief Resident Award, Department of Psychiatry, Taipei Veterans General Hospital	Jul 2024
Best Intern Award, National Taiwan University Hospital	May 2015
Dean's Award, School of Medicine, Kaohsiung Medical University	May 2015
Community Service Project Award, Ministry of Education, Taiwan	Oct 2014