

## Yu-Ming Chen, M.D.

Fellow in Child and Adolescent Psychiatry, Taipei Veterans General Hospital, Taipei, Taiwan  
ymchen8@vghtpe.gov.tw — Personal Website — Organization page

### EDUCATION

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**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

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**Board Certification in Psychiatry, Taiwan Board of Psychiatry** Nov 2024

### WORK EXPERIENCE AND PROFESSIONAL EDUCATION

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**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 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

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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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### 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

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### 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.
- **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

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### 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.

### Community Service Project Award, Ministry of Education, Taiwan Oct 2014

- Honored for leadership and impact in developing and implementing a community service project addressing societal needs.