

**CURRICULUM VITAE****Yama (Ya-Wen) Chang**

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[yc3508@tc.columbia.edu](mailto:yc3508@tc.columbia.edu) | <https://yamaychang.me/> | [github.com/yamachang](https://github.com/yamachang)**EDUCATION**

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2018 – 2020	<b>Teachers College, Columbia University</b> <i>M.A. in Clinical Psychology (concentration: Research Methods), GPA: 4.0/4.0</i> <u>Master's Thesis</u> : <i>Childhood Gender Nonconformity and Identity Development Among a Diverse Transgender Community Sample in the United States</i>	New York, NY
2008 – 2012	<b>National Taiwan University</b> B.A. in Economics	Taipei, Taiwan
2010	<b>Stanford University</b> Exchange Student	Palo Alto, CA

**RESEARCH EXPERIENCES**

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2022 – Present	<b>Lab for Scalable Mental Health</b> <b>Department of Psychology, Stony Brook University</b> <u>Principal Investigator</u> : Jessica Schleider, Ph.D. <u>Research Area</u> : Scalable and accessible interventions, minority mental health, structural stigma  <b>Senior Research/Data Analyst</b> <ul style="list-style-type: none"> <li>Organize, clean, and analyze data from ongoing and completed clinical trials; generate reports of results for stakeholders, funders, and scientific manuscripts; prepare datasets for sharing via public repositories</li> <li>Enhanced solution efficiency by 90% through the implementation of data-driven analytical tools and automation.</li> <li>Collaborated and communicated with cross-functional partners to enhance decision-making using data analytics, survey research, experimentation, and modeling.</li> <li>Identified key metrics and performed rigorous exploratory and statistical analysis to understand demographic, behavioral, and attitudinal trends, leading to published papers in high-ranking journals.</li> <li>Led and promoted best practices for data management, including data quality checks, data cleaning, data dictionary creation, and statistical analysis.</li> </ul>	
2020 – 2022	<b>Longitudinal Research Program in Late-Life Suicide   R01MH085651</b> <b>Department of Psychiatry, University of Pittsburgh Medical Center</b> <u>Principal Investigator</u> : Katalin Szanto, M.D. <u>Research Area</u> : Suicide risk in late-life depression  <b>Senior Research/Data Analyst</b> <ul style="list-style-type: none"> <li>Automated the process of aggregating unstructured data using R from multiple databases, cleaning longitudinal data, transforming raw dataset into analytical base table</li> <li>Built statistical models using R for classification and prediction, communicate results to investigators using informative graphics, and write co-authorship manuscripts</li> <li>Generated and present data-driven reports using R Markdown to better inform recruitment practices for case-control study, reducing the gender gap to only 8%</li> <li>Managed clinical longitudinal databases in REDCap</li> <li>Cleaned and prepared datasets for sharing to NIMH Data Archive</li> <li>Led independent research projects, including conceptualizing research questions into</li> </ul>	

hypotheses, developing and applying analytic strategies, writing first authorship manuscripts, and present research findings at national and international conferences

- Led data team of 4 individuals and oversee the training of new team members
- Mentored junior colleagues in coding and analyzing data using R programming language

2021 – 2022

**Gender Minority Youth Study (GMY Study)**

**Department of Psychiatry, University of Pittsburgh Medical Center**

Principal Investigator: Brian Thoma, Ph.D.

Research Area: Structural stigma and suicide risk among SGM adolescents

***Data Analyst***

- Designed, curated, visualized, and analyzed data from GMY Study
- Explored the relationship between structural stigma and suicidal behaviors among sexual and gender minority (SGM) youth

2020 – 2022

**IASR Meta-Analysis and Systematic Review Workgroup**

**Sponsored by International Academy of Suicide Research**

Principal Investigator: Diana E. Clarke, Ph.D.

Research Area: Social determinants and health inequalities in relation to suicide risk with a focus on racial and sexual and gender minority groups

***Co-Investigator***

- Conducted systematic reviews under the guidelines of PROSPERO and draft manuscripts
- Conducted preliminary searches in databases (PubMed, EMBASE, PsycINFO, Web of Science)
- Collaborated with international researchers and discuss progress in bi-weekly meetings

2019 Summer

**Stress and Development Laboratory**

**Department of Psychology, Harvard University**

Principal Investigator: Katie McLaughlin, Ph.D.

Research Area: Impact of childhood adversity on neurobiological mechanisms

***Summer Research Assistant***

- Developed stimuli presentation programs using FaceGen for fMRI task
- Compiled a list of literatures applying multi-voxel pattern analysis of fMRI tasks
- Participated in designing experiments, selecting measures, and adapting training items and stimulus using Photoshop for fMRI and EEG task
- Maintained data collection (ASEBA, CBCL) and assisted with recruitment events

2018 – 2020

**Program for the Study of LGBT Health; Project AFFIRM | R01HD079603**

**Division of Gender, Sexuality, & Health**

**Department of Psychiatry, Columbia University Irving Medical Center**

Principal Investigator: Walter Bockting, Ph.D.

Research Area: LGBTQ mental health, minority stress model

***Research Assistant / Intern***

- Collaborated with principal investigators to perform data analysis, data visualization, and presentation, as well as co-author ongoing manuscripts
- Led an independent research project, including developing conceptual framework, analytic strategy, and write first-author manuscript
- Transcribed 26 interview scripts and used Dedoose software for qualitative coding and thematic content analysis
- Presented papers during monthly seminars with post-doctoral scholars and faculty

2016 – 2017

**Lab of Clinical and Translational Studies**

**Department of Psychiatry, Taipei City Hospital and Psychiatric Center**Principal Investigators: Po-Yu Chen, M.D., Ming-Chyi Huang, M.D., Ph.D.***Clinical Research Coordinator***

- Coordinated four national grants of major depressive disorder, schizophrenia, and substance use disorder studies
- Screened, recruited, and ran 200+ sessions with participants at inpatient and outpatient settings
- Maintained the lab's recruitment database by regularly updating participants' eligibility, interest, and participation status for ongoing studies
- Prepared and updated IRB project materials including writing annual reports
- Recruited and trained new research assistants

**PEER-REVIEWED PUBLICATION**

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1. Galfalvy, H., Szűcs, A., **Chang, Y.**, Buerke, M., & Szanto, K. (2023). Long-term suicidal ideation profiles in late-life depression and their association with prospective suicide attempt and death by suicide. *The Journal of Clinical Psychiatry*, 84(2), 45611.

**MANUSCRIPTS UNDER REVIEW**

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\* indicates equal contribution

2. **Chang, Y.**, Buerke, M., Galfalvy, H., & Szanto, K. (Revise & Resubmit). Childhood Trauma is Associated with Early-Onset but not Late-Onset Suicidal Behavior in Late-Life Depression. *International Psychogeriatrics*.
3. Szkody, E., **Chang, Y.**, Schleider, J. L. (Revise & Resubmit). Serving the Underserved? Uptake, Effectiveness, and Acceptability of Digital SSIs for Rural American Adolescents.
4. Paine, E., Barucco, R., **Chang, Y.**, Navalta, T., Ehrhardt, A., & Bockting, W. (Revise & Resubmit). "Too Much Trouble": Transgender and Nonbinary People's Experiences of Stigma, Discrimination, and Affirmation in the Workplace. *Socius*.
5. Schumacher, E. \*, **Chang, Y. \***, Martino, R., Maheux, A., Choukas-Bradley, S., Salk, R., & Thoma, B. (Under Review). Structural Stigma and Suicidal Thoughts and Behavior Among U.S. Sexual Minority Youth.
6. **Chang, Y.**, Jackman, K., Dworkin, J., Singh, A., LeBlanc, A., & Bockting, W. (Under Review). Childhood Gender Nonconformity and Identity Development among a Diverse Transgender Community Sample in the United States.

**SELECTED MANUSCRIPTS IN PREPARATION**

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1. **Chang, Y.**, Sotomayor, I., Szkody, E., Fox, K., & Schleider, J. L. (In Preparation). Effectiveness of an Online Single-Session Minority Stress Intervention: Variation by Structural Stigma?
2. Sotomayor, I., **Chang, Y.**, Szkody, E., Fox, K., & Schleider, J. L. (In Preparation). Intersectionality and a Minority Stress-Based Single-Session Intervention Benefit Multiply-Marginalized LGBTQ+ Adolescents.
3. Grzenda, A., **Chang, Y.**, Kirchner, S., Wang, P., & Clarke, D. (In Preparation). A Systematic Review in Psychological Effects of Gender-Affirming Hormone and Surgical Treatments on Gender Diverse Youth.

**CONFERENCE PRESENTATIONS**

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*Conference Presentations*

1. **Chang, Y.**, Sotomayor, I., Szkody, E., Fox, K., & Schleider, J. L. (2023, November). Effectiveness of an Online Single-Session Minority Stress Intervention: Variation by Structural Stigma? In Ahuvia, I., & McKetta, S. (Chairs), Price, M. (Discussant), *The Role of Structural Stigma in Psychopathology Among Marginalized Youth*. Symposium to be presented at the 57th annual meeting of the Association of Behavioral and Cognitive Therapies, Seattle, WA.
2. Sotomayor, I., **Chang, Y.**, Szkody, E., Fox, K., & Schleider, J. L. (2023, November). Intersectionality and a minority stress-based single-session intervention benefit multiply-marginalized LGBTQ+ adolescents. In A.L. Silverman & G. Ramos (Co-Chairs), A. Aguilera (Discussant), *Leveraging digital mental health interventions to increase access to care among marginalized racial and ethnic groups*. Symposium to be presented at the 57th annual meeting of the Association of Behavioral and Cognitive Therapies, Seattle, WA.
3. Paine, E., Barucco, R., **Chang, Y.**, Navalta, T., Ehrhardt, A., & Bockting, W. (2022, April). “Too Much Trouble”: *Transgender and Nonbinary People’s Experiences of Stigma, Discrimination, and Affirmation in the Workplace*. Paper presented at 2022 Population Association of Americas annual conference. Atlanta, GA.
4. Calati, R., Maisto, M., Miranda, R., Thompson, L., Lesanpezheshki, M., Baiden, P., Miller, C., **Chang, Y.**, Wang, P., Grzenda, A., Kirchner, S., & Clarke, D. E. (2021, October) Ethnic discrimination and suicidal thoughts and behaviors: an international-intercontinental collaborative project for a systematic review. In G. Zalsman (Chair), *IASR Metanalysis and Systematic Review Workshop Project*. Paper presented at the 2021 IASR/AFSP International Summit on Suicide Research (held virtually).

#### Poster Presentations

1. **Chang, Y.**, Brown, V., Whitman, K., Dombrovski, A., & Szanto, K. (2022, April). Hippocampal MRI Volume Differences in Late-Life Suicidal Behavior. Poster presented at the IASR/AFSP International Summit on Suicide Research. Poster accepted at the Society of Biological Psychiatry (SOBP) 2022 Annual Meeting. <https://osf.io/v5cr2/>
2. Galfalvy, H., Szücs, A., Buerke, M., **Chang, Y.**, & Szanto, K. (2022, April). Long-term suicidal ideation profiles in late-life depression and their association with prospective suicide attempt and death by suicide. Poster accepted at the Society of Biological Psychiatry (SOBP) 2022 Annual Meeting.
3. **Chang, Y.**, & Bockting, W. (2021, November). Identity Development Trajectories and Childhood Gender Role Nonconformity Among a Gender and Racial Diverse Sample in the United States. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies (held virtually). <https://osf.io/w2shb/>
4. **Chang, Y.**, Galfalvy, H., Buerke, M., & Szanto, K. (2021, October). Age of Onset of First Suicidal Behavior Determines Risk Factor Profiles in Older Suicide Attempters – Focus on Childhood Trauma Experiences. Poster presented at the IASR/AFSP International Summit on Suicide Research (held virtually). <https://osf.io/xtakn/>
5. **Chang, Y.**, Brown, V., Whitman, K., Dombrovski, A., & Szanto, K. (2021, October). Hippocampal MRI Volume Differences in Late-Life Suicidal Behavior. Poster presented at the IASR/AFSP International Summit on Suicide Research (held virtually). <https://osf.io/v5cr2/>
  - Nominated as a poster finalist (Top 10) for the early career researcher best poster award
6. **Chang, Y.**, Galfalvy, H., Buerke, M., & Szanto, K. (2021, October). The Relationship of Childhood Trauma Experiences with the Age of Onset of First Suicidal Behavior in Late-Life Depression. Poster presented at the Pitt Psychiatry Research Day. Pittsburgh, PA. <https://osf.io/xtakn/>
7. **Chang, Y.**, & Chen, S. (2020, November). Identifying School-Based Intervention Targets for the Risk of Suicide Attempt Amongst Gender Questioning Youth. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies (held virtually). <https://osf.io/pbmnt/>

8. Tang, S., & **Chang, Y.** (2020, August). Mental health disparities among LGBTQ Asian and Pacific islander youth: A cross sectional analysis (held virtually). Poster presented at the American Psychological Association Convention.
9. **Chang, Y.**, & Bockting, W. (2020, June). Childhood gender nonconformity and identity development among a diverse transgender community sample in the United States. Poster presented at the annual Journal of Clinical Child and Adolescent Psychology (JCCAP) Future Directions Forum (held virtually). <https://osf.io/65fdk/>

## INVITED PRESENTATIONS

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1. **Chang, Y.** (2022, April) *Career Talk: Finding and Interviewing for Post-Bacc Positions as an International Student*. Invited talk presented at NextGen Psych Scholars Program (held virtually).
2. **Chang, Y.**, Schumacher, E., & Brian Thoma (2022, April) *The Relationship Between Structural Stigma and Suicidal Thoughts and Behaviors among SGM Youth*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA.
3. **Chang, Y.** (2021, August) *The Relationship of Childhood Trauma Experiences with the Age of Onset of First Suicidal Behavior in Late-Life Depression*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA. <https://osf.io/nqc8e/>
4. Galfalvy, H., Buerke, M., & **Chang, Y.** (2021, May) *Suicidal Ideation Trajectories: Identifying Suicidal Subtypes*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA.
5. Brown, V. & **Chang, Y.** (2021, April) *Morphometric Alterations in Late-Life Suicide and Relationships with Cognitive Decline*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA. <https://osf.io/ng4wx/>
6. **Chang, Y.** (2021, April) *Career Talk: How to create a position for yourself during pandemic (as an international student)*. Invited talk presented at the Teachers College, Columbia University, New York, NY. <https://osf.io/zdt84/>
7. **Chang, Y.** & O'Brien, E. (2020, August) *Discussion about "Association of Suicide Prevention Interventions with Subsequent Suicide Attempts, Linkage to Follow-up Care, and Depression Symptoms for Acute Care Settings."* Invited talk presented at the cross-department seminar at UPMC Psychiatry, Pittsburgh, PA. <https://osf.io/xuz5w/>

## CLINICAL EXPERIENCES

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2017 – 2018      **Taiwan LGBT Hotline Association**  
Supervisor: Chia-Wei Shiu, MSW

***Crisis Counselor***

- Answered to 350+ callers and committed 15+ hours a week, including weekly clinical supervision
- Completed an intensive 16-week clinical training on people centered counseling techniques, crisis management, and interventions
- Passed a selective screening process to become a crisis counselor from a pool of trainees
- Wrote clinical reports after each call and presented complex calls to discuss goals and difficulties during weekly group supervision

2017              **Persons with HIV/AIDS Rights Advocacy Association of Taiwan**  
Supervisor: Chester Chang, MSW

***Crisis Counselor***

- Completed an intensive 8-week clinical training with an emphasis on people centered counseling techniques, crisis management, and appropriate HIV/AIDS interventions
- Provided education about HIV/AIDS and instruction on prevention to callers
- Attended weekly clinical supervision

2016 – 2017

**Lab of Clinical and Translational Studies****Department of Psychiatry, Taipei City Hospital and Psychiatric Center**Advisors: Po-Yu Chen, M.D., Ming-Chyi Huang, M.D., Ph.D.***Research Clinician (Inpatient and Outpatient Units)***

- Conducted clinical interviews and cognitive tests for research studies
- Administered the Structured Clinical Interview-PANSS (SCI-PANSS) to evaluate symptom severity for participants with schizophrenia
- Administered the Columbia–Suicide Severity Rating Scale (C-SSRS), Hamilton Anxiety Rating Scale (HAM-A) and Montgomery-Asberg Depression Scale (MADRS) to evaluate symptom severity for participants with major depressive disorder
- Observed administrations of the M.I.N.I. and the Structured Clinical Interview (SCID) for DSM-5 by licensed clinicians to psychiatric inpatients
- Shadowed psychiatrists during diagnostic evaluations with outpatients and inpatients

**TEACHING EXPERIENCES**

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2021

**R Workshop**

Designed materials and developed a workshop to teach R programming for beginners. The workshop included four sessions, including introduction to R, data wrangling, tidying data, data visualization, and data analysis. Please find my slides and R scripts on my [GitHub](#).

2017-2018

**GRE Quantitative Tutor**

Helped college student to improve their score percentile from 30% to 80% for the GRE quantitative test. [My GRE Quantitative percentile: 95% (169/170)].

**AWARDS & HONORS**

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2021

**Queer in STEM Scholarship (\$1250), oSTEM & Queer in AI**

2021

**Poster Finalist (Top 10), IASR/AFSP International Summit on Suicide Research**

2020

**Awarded A+ in Computational Psychiatry, Teachers College (TC), Columbia University**

- Only given in rare circumstances per school policy; awarded for exceptional research project

2019

**Program Ambassador, Dept. of Counseling and Clinical Psychology, TC, Columbia University**

2019

**Graduate Representative Speaker, Admitted Student Day Student Panel, TC, Columbia University**

2019

**Psi Chi Psychology Honors Society, TC, Columbia University**

2018

**Teachers College Scholarship (\$2,500, Merit-based), TC, Columbia University****SKILLS**

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**Statistical/Programming:** R (Tidyverse, RMarkdown, Rshiny, Plotly), Python, SQL, SPSS, HTML, Bash, GitHub**Advanced Quantitative Modeling:** Gaussian mixed modeling, survival analysis, cluster analysis, logistic regression, multilevel regression analysis, supervised/unsupervised machine learning (e.g., regularized logistic regressions, decision tree, network analysis)**Research Data Management:** REDCap, OSF, Qualtrics, Dedoose, Sysrev, Zotero**Neuroimaging Skills:** FreeSurfer, FaceGen**Coursework:** Probability and Inferential Statistics; Applied Regression Analysis; Data Science I; Computational Psychiatry; Research Methods in Clinical Psychology; Child Psychopathology; Adult Psychopathology**Additional Coursework:** HarvardX PH125.8x Data Science: Machine Learning**Languages:** English, Mandarin

**PROFESSIONAL AFFILIATIONS**

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- 2019 – Present      Association for Psychological Science
- 2019 – Present      Association for Behavioral and Cognitive Therapies; Sexual and Gender Minority Interest Group
- 2018 – Present      American Psychological Association of Graduate Students; APA Division 44