

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

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yc3508@tc.columbia.edu | <https://yamaychang.me/> | github.com/yamachang**EDUCATION**

2018 – 2020	Teachers College, Columbia University <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	National Taiwan University B.A. in Economics	Taipei, Taiwan
2010	Stanford University Exchange Student	Palo Alto, CA

PEER-REVIEWED PUBLICATION

1. **Chang, Y.**, Buerke, M., Galfalvy, H., & Szanto, K. (In press). Childhood Trauma is Associated with Early-Onset but not Late-Onset Suicidal Behavior in Late-Life Depression. *International Psychogeriatrics*.
2. Galfalvy, H., Szücs, 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

* indicates equal contribution

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

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

RESEARCH EXPERIENCES

2022 – Present **Lab for Scalable Mental Health**
Department of Psychology, Stony Brook University
Principal Investigator: Jessica Schleider, Ph.D.
Research Area: Scalable and accessible interventions, minority mental health, structural stigma

Data Scientist

- 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
- Enhanced solution efficiency by 90% through the implementation of data-driven analytical tools and automation.
- Collaborated and communicated with cross-functional partners to enhance decision-making using data analytics, survey research, experimentation, and modeling.
- 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.
- Led and promoted best practices for data management, including data quality checks, data cleaning, data dictionary creation, and statistical analysis.

2020 – 2022 **Longitudinal Research Program in Late-Life Suicide | R01MH085651**
Department of Psychiatry, University of Pittsburgh Medical Center
Principal Investigator: Katalin Szanto, M.D.
Research Area: Suicide risk in late-life depression

Senior Research/Data Analyst

- Automated the process of aggregating unstructured data using R from multiple databases, cleaning longitudinal data, transforming raw dataset into analytical base table
- Built statistical models using R for classification and prediction, communicate results to investigators using informative graphics, and write co-authorship manuscripts
- 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%
- Managed clinical longitudinal databases in REDCap
- Cleaned and prepared datasets for sharing to NIMH Data Archive
- Led independent research projects, including conceptualizing research questions into 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

CONFERENCE PRESENTATIONS

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

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

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

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

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**

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

- 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