

Tatini Mal-Sarkar
tm2680@cumc.columbia.edu

EDUCATION:

Columbia University, Mailman School of Public Health, New York, NY
Master of Public Health, *Epidemiology, Sexuality, Sexual, and Reproductive Health*, GPA 3.95
Columbia University, Columbia College, New York, NY
Bachelor of Arts, *Sociology, Psychology, Major* GPA 3.95

HONORS:

I. I. Rabi Scholar (2013-2017)
Dean's List (2013-2017)
National Merit Scholar (2013)

HEALTHCARE EXPERIENCE:

Mailman School of Public Health, New York, NY, 2018-present
Research Assistant, Epidemiology – Dr. Katherine Keyes
- Used Stata to conduct exploratory factor analysis of the relationship between socioeconomic status, trauma, and antenatal maternal depression
American Institute for Cognitive Therapy, New York, NY, 2017-2018
Clinical Research Assistant, Cognitive Behavioral Therapy – Dr. Robert Leahy
- Launched and automatized HIPAA-compliant online intake packet
- Conducted an independent literature review on the psychology of trust
- Managed operations for clinical psychologists' group private practice office
Columbia Medical Center, New York, NY, 2017
Intern, Adult Outpatient Psychiatry – Dr. Joan Storey
- Shadowed a team of outpatient psychiatrists
- Attended teaching rounds and observed evaluations
- Compiled data on hospital evaluations
Columbia University, New York, NY, 2016-2017
Research Assistant & Recruitment Coordinator, Higgins Lab – Dr. Tory Higgins
- Compiled, analyzed, and assessed shared reality and experience magnification in romantic relationships
- Conducted literature reviews about partner verification and shared reality
- Pinpointed target demographic and recruited participants for behavioral studies
Columbia Medical Center, New York, NY, 2014-2015
Research Assistant, Ratner Lab — Dr. Adam Ratner
- Presented research at two undergraduate scientific symposiums
- Co-authored one paper in a peer-reviewed journal
Case Western Reserve University, Cleveland, OH, 2009-2013
Research Assistant, Nanoscape Lab — Dr. Swarup Bhunia
- Presented research individually at an international conference
- Earned designation of Best Student Presenter
- Co-authored two peer-reviewed conference papers

SERVICE EXPERIENCE:

Columbia Emerging Women's Leadership, New York, NY, 2018-present
Vice President of External Affairs
- Organized campus-wide lecture and professional bootcamp series with faculty members
- Communicated with other student organizations to facilitate campus-wide events
Crisis Text Line, New York, NY, 2017-present
Level 3 Crisis Counselor

- Successfully de-escalated over 180 individuals in crisis
- Trained in remote crisis management through online platform

GlobeMed, New York, NY, 2013-2016

Communications Director / Community Building Director / Member

- Maintained and established campus presence for student-run nonprofit
- Identified stories, designed, and published bimonthly newsletter sent to over 1000 recipients

Responsible Community at Columbia, New York, NY, 2015-2016

Peer Educator

- Facilitated four floor-wide discussions enhancing defensive first-year behaviors

MEDIA EXPERIENCE:

Unladylike, New York, NY, 2017

Intern, Unladylike Productions – Kathy Leichter and Charlotte Mangin

- Coordinated event launch and explored grants and other funding opportunities
- Spearheaded new fundraising and outreach newsletter with over 1000 recipients

Blue and White, New York, NY, 2014-2016

Head Copy Editor / Contributor

- Proofread and revised all magazine copy for bimonthly publication

Bwog, New York, NY, 2014-2015

Features Editor / Contributor

- Identified and pitched news and feature articles for campus online publication

SKILLS:

Microsoft Excel, PowerPoint. Qualtrics. Stata. SAS. Laboratory skills. HTML/CSS. Copy editing. InDesign. PhotoShop. MailChimp. Fluent Bengali. Intermediate French. Infant CPR.

PUBLICATIONS:

- [1] A. Ratner, T. LaRocca, E. Stivison, T. Mal-Sarkar, T. Hooven, E. Hod, and S. Spitalnik. CD59 Signaling and Membrane Pores Drive Syk-dependent Erythrocyte Necroptosis. *Cell Death and Disease*, 2015.
- [2] T. Mal-Sarkar, X. Wang and S. Bhunia. Secure Bioimplantable System: An External Observer-based Approach. *Kaspersky Academy Cyber Security for the Next Generation, International Student Conference*, Nov. 2012 (abstract, published).
- [3] X. Wang, T. Mal-Sarkar, A. Krishna, S. Narasimhan and S. Bhunia. Software Exploitable Hardware Trojan Attacks in Embedded Processor. *IEEE International Symposium on Defect and Fault tolerance in VLSI and Nanotechnology Systems*, Oct. 2012 (published).
- [4] X. Wang, S. Narasimhan, A. Krishna, T. Mal-Sarkar and S. Bhunia. Sequential Hardware Trojan Attacks: Side-channel Aware Design and Placement. *29th IEEE International Conference on Computer Design*, 2011 (published).
- [5] T. Mal-Sarkar, Swarup Bhunia. Collaborative Trust: A Novel Paradigm of Trusted Mobile Computing. *trust-HUB*, Oct 2010 (published).