

# Jaimee-Ian Rodriguez

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## EDUCATION

**CUNY Macaulay Honors College at Hunter College** Aug. 2015 – May 2019  
Bachelor of Arts  
Major: Physics  
Minor: Asian American Studies

## AWARDS AND FELLOWSHIPS

Smithsonian I2F Fellowship 2020  
Chambliss Astronomy Achievement Student Award January 2019  
For *The Star Formation Law in Dwarf Galaxies* Poster Presentation  
Banneker & Aztlán Institute Fellowship 2018  
AstroCom NYC Fellowship 2017 – 2019  
Full merit scholarship to Macaulay Honors College 2015 – 2019

## RESEARCH EXPERIENCE

**Research Fellow** Jan. 2020 – April 2020  
National Museum of American History | Smithsonian Institution

- Examined texts, archival materials, and Smithsonian databases to uncover American scientific endeavors in the 20th century Philippines
- Scraped historical geographic databases using Python to identify and visualize specimen obtained during wartime periods in the Philippines

**Research Fellow**, Laboratory of Dr. John Forbes June 2018 – Aug. 2019  
Center for Astrophysics | Harvard-Smithsonian, Harvard University

- Iterated through adaptive mesh refinement (AMR) generated simulations of dwarf galaxy systems to characterize hydrodynamic behavior
- Surveyed literature to identify analytic models relevant to explain hydrodynamic behavior and applied models to simulated values to assess accuracy

**Research Intern**, Laboratory of Dr. Chia-Yu Hu June 2017 – June 2018  
Center for Computational Astrophysics | Flatiron Institute

- Created programs to visualize data extracted from Smooth-Particle Hydrodynamics (SPH) simulations
- Extracted data of star formation and outflow rate within simulated galaxies to compare between simulations with varying hydrodynamic properties

## PROFESSIONAL EXPERIENCE

**Editorial Assistant** Nov. 2021 – Present  
AIP Publishing

- Coordinate with Journal Editors and Guest Editors to enact commissioning strategies, primarily by organizing Special Topic collections, resulting in **XX** collections yielding **XX** submissions and **XX** publications
- Collect and analyze data to report journal metrics to internal stakeholders, providing direction for strategies on commissioning, transfers, and editor efficiency

**Science Writer (Freelance)**

May 2021 – Nov. 2021

American Institute of Physics

- Wrote Scilights: summaries of significant scientific publications, delivering multiple drafts within one week of assignment
- Collaborated with scientists to acquire images, licensing agreements, and information via interview

**Web and Content Manager**

June 2021 – Nov. 2021

Urbanity, LLC

- Researched, authored, and edited articles and social media content concerning issues in the Asian American community and other communities of color
- Developed and maintained content calendar in coordination with relevant dates such as Asian holidays and historical commemoration

**Image Researcher**

March 2020 – Oct. 2020

Night Kitchen Interactive

- Managed database of hundreds of images and associated information to craft the visual narrative of DutyToCountry.org
- Provided editorial input for exhibition script and illustrated elements to ensure clarity, historical accuracy, and cultural consideration

**Science Communication Intern**

Sep. 2019 – Dec. 2019

National Museum of Natural History

- Reported scientific news through long- and short-form articles for Smithsonian's Ocean Portal, No Bones Blog, and other platforms
- Interviewed museum curators and cross-sector affiliates to supplement media with expert-supported statements
- Managed the @InvertebratesDC Twitter and collaborated with the NMNH public relations team to curate select posts on their Instagram account

**Associate Producer**

June 2016 – June 2017

New York Hall of Science

- Coordinated teams of producers, directors, editors, and talents to create original, science-based content to post on NYSCI's Explainer TV YouTube channel
- Researched current scientific topics as basis for scripts to communicate to the general public
- Constructed videos using Adobe Premiere editing software, often condensing hours of footage into a few minutes

**EXTRACURRICULAR ACTIVITIES**

**CRAASH (Asian American Student Union), CUNY Hunter College**

- Organized events to engage student body in social and political issues concerning Asian Americans and other marginalized groups, often collaborating with other organizations
- Advocated for the advancement of Asian American Studies by promoting courses, negotiating with administration, and rallying support from other students, faculty, and community organizations
- Coordinate responsibilities amongst all members to maximize efficiency of event execution

President | Aug. 2018 – May 2019  
Vice President | May 2017 – Aug. 2018  
Treasurer | May 2016 – May 2017

**Society of Physics Students, CUNY Hunter College**

- Participated in physics-based activities, such as workshops and presentation events
- Networked with local faculty conducting physics-based research in order to develop knowledge of the field and build a local community of people with related research interests
- Shared resources amongst peers to create an environment of mutual support within the physics student body

Vice President | Aug. 2018 – May 2019  
General Member | Aug. 2016 – Aug. 2018

**POSTER PRESENTATIONS**

“The Star Formation Law in Dwarf Galaxies”, AAS Meeting 233 (2019), Seattle, WA

“Simulating supernovae driven outflows”, Society of Physics & Astronomy Research Conference (2018), CUNY Hunter College, New York, NY

“Simulating supernovae driven outflows”, AAS Meeting 231 (2018), Oxon Hill, MD

“Simulating supernovae driven outflows”, SACNAS 2017, Salt Lake City, UT

**ORAL PRESENTATIONS**

“Engaging with and Challenging the Past: Troubling the Archive”, 2020 Southeast Asian American Studies Conference (formed panel; conference suspended due to COVID-19), San José State University, San José, CA

“The balance of power in dwarf galaxies”, Banneker & Aztlán Institute Summer Symposium (2018), Center for Astrophysics | Harvard-Smithsonian, Cambridge, MA

“Simulating supernovae driven outflows”, Undergraduate Research Conference (2018), CUNY Hunter College, New York, NY

“Simulating supernovae driven outflows”, Summer Symposium (2017), American Museum of Natural History / Center for Computational Astrophysics, New York, NY