

# MICHELLE ZHU

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## EDUCATION

AUG 2020 — EXPECTED MAY 2022

**Georgetown University**, Washington, DC  
Master of Science in Global Health (accelerated)

AUG 2017 — MAY 2021

**Georgetown University**, Washington, DC  
Bachelor of Science in Biology of Global Health  
Minor in Computer Science, Cum Laude

JAN 2020 — MAY 2020

**National University of Singapore**, Singapore  
Study Abroad, Concentration in Life Sciences

## SKILLS

### Software

STATA, Photoshop, Illustrator, InDesign, Tableau, MonQcle

### Programming Languages

C++, Java, Python, CSS/HTML, MATLAB

### Microsoft Office

Excel, Word, PowerPoint

### Languages

English (native), French (advanced reading & writing, intermediate speaking), Mandarin (conversational speaking, basic reading & writing)

## EXPERIENCE

### Graduate Research Assistant

NOV 2021 — DEC 2021

Georgetown University Department of International Health | Washington, DC

- Conducted systematic literature searches across 4+ databases on preventive public health strategies to inform approaches for addressing marginalized populations, particularly ethnic and religious minorities.
- Filtered through 1000+ peer-reviewed articles and created annotated bibliography of 150+ references.

### Adult Clinical Branch Intern for HIV & Cervical Cancer

MAR 2021 — SEP 2021

United States Agency for International Development (USAID) | Washington, DC  
Contracted by Public Health Institute (PHI)

- Managed tasks and responsibilities in several technical workstreams, cervical cancer and migration.
- Presented quarterly data and updates from PEPFAR-supported cervical cancer programs to internal staff.
- Reviewed current literature on cervical cancer service delivery models as part of a short-term task team to create best practice guidelines on treatment referral strategies.
- Consolidated information from the 2021 International AIDS Society conference to present developments in HIV and cervical cancer guidelines and research.
- Assisted in writing of 2000-word commentary on HPV-based primary screening for cervical cancer prevention.
- Created decision framework on interventions and considerations for HIV-positive mobile populations to address migration-driven interruption in antiretroviral treatment for PEPFAR-supported programs.
- Performed quality control on quarterly HIV treatment data from PEPFAR programs using Excel and Tableau.

### HIV Policy Lab Research Assistant

SEP 2020 — MAR 2021

O'Neill Institute for National and Global Health Law | Washington, DC

- Tracked HIV-related law and policy by evaluating documents in 194 countries using online software MonQcle.
- Assessed antiretroviral treatment differentiated service delivery policy from updated country guidance documents while managing discrepancies between conflicting policy sources.
- Performed quality assurance checks on large datasets (700+ rows) using Excel.
- Helped create training resources and arranged surveys for community-led monitoring project in South Africa.

## **Junior Year Abroad Network (JYAN) Blogger**

JAN 2020 – JUL 2020

### **Berkley Center for Religion, Peace & World Affairs | Washington, DC**

- Created social media content and posted reflections on religion, culture, politics, and society while studying abroad in host country, Singapore, over 4-month period.
- Contributed 1000-word essay, "(Dis)unity in Diversity," to Berkley Center website and blog, reflecting on racial dynamics in Singapore and the United States.

## **Co-President**

SEP 2019 – DEC 2019

### **Georgetown University Chinese Student Alliance | Washington, DC**

- Facilitated board meetings and guided other members to ensure that event planning, marketing, and funding matters ran smoothly.
- Managed administrative tasks, such as filing receipts or reimbursements after each event and coordinating travel and usage of credit cards provided by the Center for Student Engagement.
- Organized bi-weekly events (e.g., language dinners, general body meetings, cultural engagement activities).

## **Clinical Research Intern**

JUN 2019 – JUL 2019

### **Anne Arundel Medical Center | Annapolis, MD**

- Conducted clinical study identifying reasons for delayed discharge of 200+ acute care patients over 2-month period to inform how hospital- or patient-related factors affect discharge times and to improve efficiency.
- Navigated and verified patient information and discharge times through electronic medical system Epic.
- Administered daily quantitative surveys to attending physicians, charge nurses, and care coordinators from 3 medical units to assess clinical staff perceptions of reasons for extended length of stay among patients.
- Helped analyze and interpret survey data using Kaplan-Meier survival analysis.
- Communicated results to over 50 hospital physicians and staff members in a capstone presentation.

## **Web & Graphic Design Intern**

JUN 2018 – JUN 2019

### **1882 Foundation | Washington, DC**

- Redesigned 1882 Foundation website using WordPress and CSS/HTML.
- Managed back-end site maintenance and security, as well as front-end design and content uploading.
- Assisted with social media presence (Instagram and Facebook) to boost audience engagement.

## **Assistant Design Editor**

SEP 2017 – SEP 2018

### **The Hoya, Georgetown University | Washington, DC**

- Utilized InDesign to format articles and layout of student-run publication, *The Hoya*.
- Employed Illustrator to create graphics for *The Guide*, the arts & lifestyle magazine

## **Research Intern**

JUN 2016 – AUG 2016

### **Department of Medicine, Georgetown University | Washington, DC**

- Researched sex differences of hypertension in a laboratory setting.
- Processed tissue samples and analyzed large quantities of mouse tissue data using Excel.
- Contributed to article in the American Journal of Physiology-Renal Physiology, published in 2018.

## PROJECTS

### Mental Health of Syrian Refugee Children

SPRING 2019

[www.michellezhu.co/bgh/](http://www.michellezhu.co/bgh/)

- Designed WordPress website illustrating a health disparity.
- Consolidated information from peer-reviewed articles and news publications.
- Communicated policy recommendations using visually engaging web format.

### Crime, Poverty & Food Insecurity in DC

FALL 2019

[www.crimedata.georgetown.domains/](http://www.crimedata.georgetown.domains/)

- Designed WordPress website investigating the geographic patterns of crime.
- Created data analyses using statistical Python packages and Plotly and Mapbox visualizations.

## PUBLICATIONS

Desai, S., **Zhu, M. J.**, & Lapidos-Salaiz, I. (2021). Cervical cancer prevention: Human papillomavirus testing as primary screening. *Cancer*.

Pai, A. V., West, C. A., de Souza, A. M. A., Kadam, P. S., Pollner, E. J., West Jr, D. A., Li, J., Ji, H., Wu, X., **Zhu, M. J.**, Baylis, C., & Sandberg, K. (2019). Renal T cell infiltration occurs despite attenuation of development of hypertension with hydralazine in Envigo's female Dahl rat maintained on a low-Na<sup>+</sup> diet. *American Journal of Physiology-Renal Physiology*, 317(3), F572-F583.