

SUNNY SHAO

I am a computational social scientist by training and a hands-on project manager by experience. Familiar with end-to-end data science ecosystem; In-depth knowledge in working with various stakeholders in both academic and business setting

EDUCATION

2021
|
2016

- **PhD. Candidate, Political Science (Computational Track)**
University of California 📍 Riverside, CA
 - Dissertation: From Netizen to Citizen: netizen empowerment and WeChat political activism among Chinese Americans
 - Focused on Asian American political participation and social media mobilization
 - Study netizen politics among Chinese Americans on WeChat

2015
|
2013

- **M.S., Public Policy in Econometrics**
Pepperdine University 📍 Malibu, CA
 - Focused on econometrics and local governance
 - Pi Alpha Alpha Honor Society Member

2013
|
2010

- **B.A., International Communications**
Nottingham University 📍 Nottingham, UK
 - Studied communication theory and public spheres on social media platforms

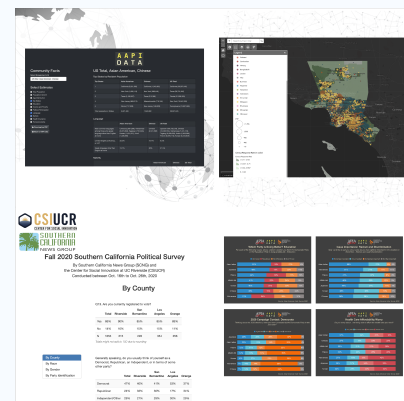
WORK EXPERIENCE

current
|
2018

- **Researcher & Center Associate**
Center for Social Innovation (UCR) 📍 Riverside, CA
 - missioned to lead projects that uplift the community of color offering executable data-driven action plans
 - work with a diverse background of scholars and R users to produce deliverables such as reports and data dashboards
 - In-depth knowledge about many open source R packages and their application in both academic and industry settings

current
|
2017

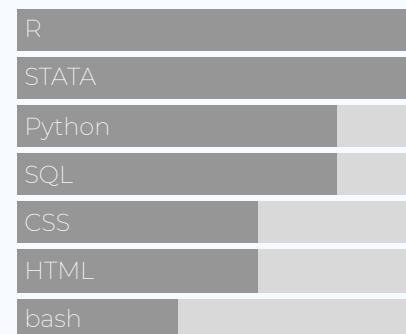
- **Researcher**
AAPI Data 📍 Riverside, CA
 - Experienced in coordinating and working with both internal and external stakeholders in a team with many moving factors
 - Deep knowledge in designing, executing and managing end-to-end data science projects
 - 4+ years of experience in high-pace social science research team with frequent ad-hoc requests and challenges



CONTACT

✉ sunny@sunnyshao.com
🐦 twitter.com/sunny_Y_SHAO
📁 github.com/SunnyYShao
🌐 sunnyshao.com
🌐 [in /sunnyshao/](https://sunnyshao/)

LANGUAGE SKILLS



Made with the R package
pagedown

The source code is available on
github.com/SunnyYShao/cv

Last updated on 2021-01-26.

- 2016 ● **Summer Fellow**
Education Pioneer 📍 Los Angeles, CA
- Worked closely with coordinators, principals and teachers on program evaluations
 - Created stratified weighted sampling surveys to evaluate programs of Camino Nuevo charter school network
 - Designed protocols and methodology for future program evaluations
- 2012 ● **Data Analyst Intern**
SmartAnalyst 📍 Gurgaon, India
- Interviewed thoracic oncologists in Japan and China for pharmaceutical clients, who are on phase II trials of non-small cell lung cancer drugs
 - Translated three-way phone meetings between client, SmartAnalyst and Chinese thoracic oncologists
 - Crowdsourced a list of thoracic oncologists through medical journals



TEACHING & WORKSHOP EXPERIENCE

- current
|
2020 ● **ArcGIS Lab**
Center for Social Innovation 📍 Riverside, CA
- Spatial Data Visualization & Mapping Application Development
 - Initiate the workshop and organized and taught each session
 - Lectured on using ArcGIS online tools to create interactive mapping tools
- 2020 ● **Analyzing ACS data with tidyverse and tidycensus R packages**
Center for Social Innovation 📍 Riverside, CA
- 2019 ● **Infographic Design with Adobe illustrator**
AAPI Data 📍 Riverside, CA
- 2019
|
2018 ● **Data Analysis, Visualization and Social Entrepreneurship**
SEED Lab 📍 Riverside, CA
- 2018 ● **Data Narrative Action (DNA): Data Visualization & Cesus Factfinder Tools**
Social Innovation Institute 📍 Riverside, CA
- 2015
|
2014 ● **Applied Econometrics & Microeconomics**
School of Public Policy, Pepperdine University 📍 Malibu, CA
- TA and lectured
 - Topics covered from penalized regression to boosted trees and neural networks
- 2015 ● **Calculus & Economics**
Fusion Academy 📍 Pasadena, CA
- Teacher & Mentor
 - taught Accredited high school curriculum & mentored 10th grade - freshman year students

I have worked independently on various projects at AAPI Data and CSI, coordinated directly with stakeholders, funders, and journalists who are not data experts themselves. I was also responsible for managing stakeholders' expectations and communicating project progress with them from initiation to closing.



SELECTED INTERACTIVE DATA TOOL DEVELOPMENT

current
|
2020

● **AAPI Quick Stats, AAPI Data**

R, ShinyApps, AWS

current
|
2020

● **Inland Empire COVID Monitor**

ArcGIS

current
|
2020

● **2020 Census and Beyond: Mapping the Geography and Diversity of Asian Americans and Pacific Islanders**

R & ArcGIS

current
|
2019

● **Geographic Profiles, Racial Data**

R, ShinyApps, AWS

current
|
2019

● **Community Profiles, Racial Data**

R, ShinyApps, AWS

current
|
2018

● **Community Facts, AAPI Data**

R, ShinyApps, AWS

2017

● **QuickStats Tool**

Rmarkdown

SURVEY PROJECTS

2020
|
2018

● **Asian American Voter Survey**

AAPI Data, APIAVote & AAAJC

· National experimental survey conducted in English & 8+ Asian languages

2020
|
2019

● **Inland Empire Non-profit/Civic Engagement Survey**

Center for Social Innovation, UC Riverside

· Inland Empire Region of CA

2018
|
2018

● **National Asian American Survey**

AAPI DATA

· National survey

2018

● **Asian Pacific American Heritage Month Visibility Survey**

AAPI Data

· National



SELECTED PUBLISHED RESEARCH REPORTS

2020

● **Reaching Low-Propensity Voters in California's November 2020 Elections: Recommendations from focus group research and community partner engagement**

California Common Cause & Center for Social Innovation

- 2020 ● **State of Nonprofit in the Inland Empire**
Center for Social Innovation
- 2020 | 2016 ● **APIA Vote: state Factsheets**
APIA Vote & AAPI Data
- 2019 ● **State of Civic Engagement in the Inland Empire**
Center for Social Innovation
- 2019 ● **State of Women in the Inland Empire**
Center for Social Innovation
- 2019 ● **Untapped Power: The Strength of Asian American, Native Hawaiian, and Pacific Islander Working People**
APALA & AAPI Data
- 2018 ● **Asian American Voter Survey Report**
APALA, AAJC & AAPI Data
- 2018 ● **State of Work in the Inland Empire**
Center for Social Innovation
- 2018 ● **State of Immigrant in the Inland Empire**
Center for Social Innovation
- 2018 ● **Washing State Factsheet**
Washington Commission on Asian American Affairs



SELECTED PRESENTATIONS & INVITED TALKS

- current | 2020 ● **ArcGIS Lab**
Center for Social Innovation 📍 Riverside, CA
 - Spatial Data Visualization & Mapping Application Development
 - Initiate the workshop and organized and taught each session
 - Lectured on using ArcGIS online tools to create interactive mapping tools
- 2020 ● **Analyzing ACS data with tidyverse and tidycensus R packages**
Center for Social Innovation 📍 Riverside, CA
- 2019 ● **Infographic Design with Adobe illustrator**
AAPI Data 📍 Riverside, CA
- 2019 | 2018 ● **Data Analysis, Visualization and Social Entrepreneurship**
SEED Lab 📍 Riverside, CA
- 2018 ● **Data Narrative Action (DNA): Data Visualization & Cesus Factfinder Tools**
Social Innovation Institute 📍 Riverside, CA
- 2019 ● **2020 Census and Beyond: New Tool for AAPI Census Efforts**
Asian Americans/Pacific Islanders in Philanthropy 📍 Virtual
- 2018 ● **Key Patterns and Trends Among Asian Americans and Pacific Islanders: Chinese American Demographics & Political Engagement**
National Conference of State Legislators 📍 Los Angeles, CA

- 2018 ● **2018 and Beyond: Data, Narrative, and Action**
Advancing Justice Conference  Atlanta, GA
- 2018 ● **Resources for Engaging in the Debate Over Data Disaggregation**
Association of Asian American Studies  San Francisco, CA
- 2015 ● **Should Federal Government Mandate Vaccination for Children**
RAND LA Policy Symposium  Santa Monica, CA



SELECTED BLOGS

- 2020 ● **Where Can AAPI Voters Have the Most Impact in November 2020?**
· Authored with Mai Do
- 2019 ● **Understanding the Struggles of Asian Americans and Pacific Islanders**
· Authored with Dr. Janelle Wong & Dr. Karthick Ramakrishnan
- 2018 ● **Record Gains in AAPI Voting Likely to Continue Through 2020**
· Authored with Dr. Sono Shah & Dr. Karthick Ramakrishnan
- 2018 ● **The 116th Congress Will Have The Most AAPIs. Ever**
· Authored with Dr. Sono Shah
- 2018 ● **Here's what you need to know about AAPIs running for Congress in 2018**
· Authored with Dr. Sono Shah
- 2018 ● **There are Dozens of AAPIs Running for Congress This Year**
· Authored with Alton Wong
- 2017 ● **Asian Ethnicity Data Helps Students, Saves Lives**
· English to Chinese translation









SELECTED PRESS

- 2020 ● **The challenge of combating fake news in Asian American communities**
Vox
- 2020 ● **WeChat is a lifeline for the Chinese diaspora. What happens now that Trump banned it?**
Los Angeles Time

- 2020 ● **Chinese American Trump fans raise election recount funds on WeChat: New fundraising arm preps for comeback, quietly steers some donations to debts**
Nikkei Asia
- 2020 ● **US Election Special III: Election results update, Chinese Americans' voters in NYC**
RTHK 31 Cable Network
- 2020 ● **Who are the Chinese Americans voting for Trump**
The Spectator UK
- 2020 ● **Would Prop. 16's affirmative action ensure equality in California**
Los Angeles Time
- 2019 ● **Digital, Political, Nomads: Meet the Chinese Americans For Trump**
OZY



GRANTS AND AWARDS

- current | 2015 ● **Pi Alpha Alpha Honor Society**  Malibu, CA
- 2021 | 2016 ● **GSA Conference Travel Grant**  Riverside, CA
- 2021 | 2017 ● **Coulter Foundation GSA Grant**
- 2020 ● **2020 Rstudio conference Diversity Scholarship**  San Francisco, CA
- 2017 | 2016 ● **UCR Dean's Distinguished Fellowship**  Riverside, CA
- 2015 | 2013 ● **Pepperdine Graduate School Scholarship Award**  Malibu, CA
- 2014 ● **Pepperdine Dean's Distinguished Fellowship**  Malibu, CA