

# Farah Nájjar Arévalo

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Doctoral student, Innovation in Global Development PhD,

School for the Future of Innovation in Society

Arizona State University

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## 1. RESEARCH INTERESTS

- Governance of Smart Cities studies
- Information and Communication Technologies for Development (ICT4D)
- International Relations and Global Development
- Urban entrepreneurship
- Technology and feminism (Feminist technoscience)

## 2. ACADEMIC EXPERIENCE

### 2.1 Education

#### Master of Science in Global Technology and Development (2019)

Arizona State University (ASU)

GPA 3.76/4.0

Tempe, Arizona, United States

#### Bachelor of Arts in International Relations (2012)

Instituto Tecnológico de Estudios Superiores de Occidente (ITESO)

GPA 4.0/4.0

Guadalajara, Jalisco, Mexico

#### ITESO Study Abroad Program - (Fall 2011)

Vesalius College

Brussels, Brussels-Capital Region, Belgium

### 2.2 Awards/Grants

#### School for the Future of Innovation in Society (SFIS) Graduate Fellowship on Justice Equity and Inclusion - Academic year 2021-2022

Fellowship awarded at my department to plan, organize, and implement, reported recommendations on the state of diversity and inclusion at the department.

#### School for the Future of Innovation in Society (SFIS) at ASU Charter Awards

Fall 2021 - Innovation in Global Development Award for the core value of access

Fall 2020 - Innovation in Global Development Award for the core value of access

Fall 2018 Global Technology and Development Award for the core values of Access, excellence and impact

#### Global Development Research – ASU – USAID US Global Development Lab Summer 2018 fellowship

Obtained the fellowship to carry out summer development studies research in Nazaré-Paulista, São Paulo, Brazil for the Project: “*A transdisciplinary approach to mapping the Cantareira System as a Socio-Technical-Ecological system*”. Funded through the United States Agency for International Development (USAID).

#### Grad week 2018 event funding – ASU Graduate and Professional Student Association (GPSA)

Grant obtained through the SFIS Graduate Student organization to host and coordinate the participatory workshop “*Arizonian innovation and Latin American (anti)futures*”

<https://gpsa.asu.edu/event-calendar/arizonian-innovation-latin-american-antifutures/>

#### Human Excellence fellowship

Awarded by a partnership between ITESO University and my High School, Colegio Inglés Hidalgo for studying my undergraduate degree at ITESO

### **2.3 Teaching Experience**

#### ASU Interplanetary Initiative - Associate Instructor Fall 2022

IPI 296 Inquiry and IPI 496 Advanced Inquiry

Tempe, Arizona, United States

#### Middle East Entrepreneurs of Tomorrow, Massachusetts Institute of Technology (July 10<sup>th</sup> to August 9<sup>th</sup>, 2019)

Year 2 (Y2) Co- Instructor

Course: Entrepreneurship

Jerusalem, Israel/Palestine

- Design of the curricula to follow up on Y1 learnings and Y2 objectives on Entrepreneurship course
- Mentoring students individually and for project teams
- Shared lecturing with other three MIT instructors on Marketing, Business, Responsible Entrepreneurship and Social Innovation
- Managed relations with industry experts mentoring students for their final projects

#### Graduate Teaching Assistant Spring 2019 term

Course: BME 182 *Biomedical Design & Development I*, School of Biological and Health Systems Engineering

Tempe, Arizona, United States

- Mentoring student teams for product design
- Grading homework submissions and assignments

#### Graduate Teaching Assistant - Fall 2018 and Fall 2017 terms

Course: FIS 111 *Welcome to the Future*, School for the Future of Innovation in Society (SFIS), ASU Tempe, Arizona, United States

- Co-instructor, assisted in lecturing with the course main instructor and grading, tutoring of students

- Led one lecture

#### Graduate Teaching Assistant - Spring 2018 term

Course: FIS 305 *Ways of Knowing*, School for the Future of Innovation in Society, ASU  
Tempe, Arizona, United States

- Co-instructor, designing and leading class activities, assisting in lecturing and grading
- Design of activities

## **2.4 Publications**

### **2.4.1 Academic publications**

McAslan, Najar Arevalo, F., King, D. A., & Miller, T. R. (2021). Pilot project purgatory? Assessing automated vehicle pilot projects in U.S. cities. *Humanities & Social Sciences Communications*, 8(1), 1–16. <https://doi.org/10.1057/s41599-021-01006-2>

Najar Arevalo, F. "Decoding the Public interest of Aarogya Setu, contact tracing app for managing the COVID19 pandemic in India," 2020 IEEE International Symposium on Technology and Society (ISTAS), 2020, pp. 508-512, doi: 10.1109/ISTAS50296.2020.9462225. <https://ieeexplore.ieee.org/document/9462225>

### **2.4.2 Publications in grey literature**

Stopher et al. 2021 "An Evaluation of the Valley Metro–Waymo Automated Vehicle RideChoice Mobility on Demand Demonstration", Final Report, FTA Report No. 0198, Federal Transit Administration, <https://trid.trb.org/view/1878045>

"A Transdisciplinary Approach to Mapping the Cantareira Socio- Ecological-Technical System"  
ASU Global Development Research Program & USAID  
Coauthorship with Thomaz Carvalhaes and Cody Staats  
[https://pdf.usaid.gov/pdf\\_docs/PA00TTRB.pdf](https://pdf.usaid.gov/pdf_docs/PA00TTRB.pdf)

"Arizonian Innovation & Latin American (anti)futures" (Spanish and English)  
Society for Social Studies of Science (4S), Coauthorship with Martin Perez Comisso  
Retrievable at: <https://www.4sonline.org/arizonian-innovation-latin-american-antifutures/>

### **2.4.3 Publications in popular writing**

"Smart cities through social innovation" (Spanish)  
IoT Republic magazine – July-August 2017 issue  
Pages 20-21, retrievable at <https://goo.gl/ddjQu6>

"A seedbed of minds" (Spanish)  
IoT Republic magazine – January-February 2017 issue  
Pages 51-52 retrievable at <https://goo.gl/uWL7UL>

“Open Data Day Guadalajara 2016” (Spanish and English)  
Codeando México blog, retrievable at <https://goo.gl/5SRHQm>

## 2.5 Extra courses

- Project Management Techniques for Development Professionals by the Inter-American Development Bank <https://goo.gl/U1ECzM> (MOOC, June 2016)
- Project Management Basics by the project Management Institute, Guadalajara Chapter (December 2013)
- Inclusive and non-exclusive language (use in Spanish), provided by Mexico’s Museum of Memory and Tolerance (On Zoom during COVID-19 pandemic)

## 2.6 Academic events and conferences

### 2.6.1 Conferences presentations

Conference on Governance of Emerging Technologies and Science (GETS 2022)

Panel: Automated Transportation

Presentation: *Emerging Technologies in Urban Mobility: A Qualitative Analysis of Regional Planning in the USA*

May 19 -20<sup>th</sup>, 2022, Phoenix, Arizona

International Studies Association (ISA) Annual Convention 2022

Panel: Fresh Perspectives in Feminist Political Economy

Presentation: Smart cities in the global development agenda: a process and place

March 28<sup>th</sup> - April 2<sup>nd</sup>, 2022, Nashville, Tennessee

IEEE’s International Symposium on Technology and Society (ISTAS 20)

Panel: *Public Interest Technology New America Graduate Student Panel*

Presentation: *Decoding the Public Value in Arogya Setu, the contract tracing app to manage the COVID19 in India*

November 12-15<sup>th</sup>, 2020, Virtual

University of Sussex SPRU 26<sup>th</sup> Annual Science Policy Research Unit (SPRU) PhD Forum (On Zoom during Covid19 pandemic)

Panel: Information Technologies: Practices, Imaginaries, and Futures with the presentation *A Feminist analysis of the Smart city*

ASU Sandra Day O’Connor College of Law, Center for Law, Science and Innovation, Phoenix, AZ

Seventh Annual Conference on Governance of Emerging Technologies

Poster presentation “*Effectiveness of Digital Civic Engagement (DCE) tools in the city’s development: a comparative analysis*” May 2019

ASU’s School of Sustainability, Global Development Research program

Celebrating ASU’s Global Development Research Program

Poster presentation “*A transdisciplinary approach to mapping the Cantareira System as a Socio-Technical-Ecological system*”.  
May 2018

### **2.6.1 Conferences and academic events organized**

ASU Consortium for Science, Policy & Outcomes (CSPO)  
*We Are The Internet: U.S. Community Forums*  
Table facilitator  
October 2020, on Zoom during the COVID19 pandemic

ASU Consortium for Science, Policy & Outcomes (CSPO)  
*Our Driverless Futures: Community Forum on Automated Mobility (Participatory Technology Assessment)*  
Table facilitator  
May 2019, Phoenix, Arizona

ASU Consortium for Science, Policy & Outcomes (CSPO)  
*Cooling a Warming Planet? A Public Forum on Climate Intervention Research Participatory Technology Assessment)*  
Table facilitator  
September 2018, Phoenix, Arizona

## **3. WORK EXPERIENCE**

### **3.1 Research Experience**

Graduate Research Assistant (GRA) and Graduate Service Assistant (GSA), School for the Future of Innovation in Society at ASU Spring 2021 – Spring 2022

- GRA at the SFIS Justice, Equity, Diversity and Inclusion Taskforce current tasks include documentation of projects and processes, mapping similar initiatives in other departments and universities.
- GSA at the Civic Science Environmental Futures Collaborative current tasks include interview research design, data collection and coding

Graduate Research Assistant at the Center for Smart Cities and Regions, ASU 2019-2020 academic year, Fall 2019- Fall 2020

- Assisting in four projects related to emerging technologies in urban mobility and social dimensions of the smart city
- Developed research design, interview analysis and coding
- Developed research design and supported planning and coding of focus groups
- Project management

Tempe, Arizona, USA

Research Coordinator - October 2016 to July 2017

Guadalajara Ciudad Creativa Digital Trusteeship, Government of the state of Jalisco

Guadalajara, Jalisco, México

- Coordinated and executed research regarding the main programs of the the macro three level government *Guadalajara Ciudad Creativa Digital* (Mexico's creative city project)
- Built information profiles for potential investors, compiled, and collected data about the main creative sectors and creative industries in Mexico and the world.

### **3.2 Other work Experience**

Project Manager Jr. – October 2013 to September 2016

Instituto Jalisciense de Tecnologías de la Información (IJALTI)

Guadalajara, Jalisco, Mexico

- Led and administered multiple projects & tasks: Internationalization Platform (local economic development), created project reports for IJALTI's candidacy for the certification of Cluster Manager by the European Secretariat for Cluster Analysis (ESCA).
- Environment Protection Initiative for the Corporate Social Responsibility Program after IJALTI's membership to the UN Global Compact: in charge of designing environmental awareness campaigns that reduced the consumption of disposable water plastic bottles and coffee styrofoam cups to reusable cups and cardboard cups by 85%, and comanaged the lightbulb recycling campaign with the municipal government.

### **3.3 Internships (during masters studies)**

City of Tempe Strategic Management Intern Program – February to April 2019

Created a White paper for the project “Digital Government & Community Engagement” to meet the City Council priority: Strong Community Connections through the research of best practices of digital technologies in cities. Provided recommendations to advance Tempe's Strategic Plan and its goal of inclusive, equitable community connections.

### **3.4 Internships (during undergraduate studies)**

Kineos (economic development and strategic planning consultancy firm) - Summer 2012

Guadalajara, Jalisco, Mexico

Applied project for my BA in International Relations assisting researchers of the firm in the research of the project Guadalajara Ciudad Creativa Digital, creating profiles of smart cities in the world and good practices in the world that encourage sustainable cities and economic development.

Consular section of the Embassy of Mexico to the Kingdom of Belgium, Luxembourg and Mission to the European Union - Fall 2011

Assisted consular staff in the processing of visas and passports, filing digitally and hard copy the applications; assistance to Mexicans abroad and foreigners interested in Mexico and also the events planning staff in some of the general events of the embassy.

Office of International Cooperation for Development at the International Affairs Direction, Government of the state of Jalisco - Spring 2011

Guadalajara, Jalisco, México

Applied project for my BA in International Relations where I created profile of the sister cities and states Jalisco has international cooperation agreements, NGOs and think tanks database structuring, and research. Also assisted in editing the International Cooperation Handbook, and the events staff in some of the events of the office.

### **3.5 Volunteering Experience**

#### USAID & UK Research and Innovation (UKRI)

Inclusive Digital Development Workshop: <https://www.rtachesn.org/stories-and-news/inclusive-digital-development/>

Notetaker

#### ASU's Engineering Projects in Community Service (EPICS) Project reviewer (Spring 2020)

Assessment of the design and prototypes of engineering students working in a social impact challenge.

#### Service at ASU student organizations (Fall 2017 – Present):

- Assembly President, Graduate Professional Student Association (GPSA) term May 10<sup>th</sup> 2022, to May 9<sup>th</sup> 2023
- SFIS representative at GPSA– 2021-2022 academic year
- Mexican Graduate Student Association-Event planning Officer – Fall 2020 to Fall 2021
- School for the future of Innovation in Society Graduate Student Organization (SFIS GSO), Spring 2018 and Fall 2018 – Special projects and Events coordinator
- #DayWithoutCars at ASU Day 2018: engaging people to spin a wheel and provide transportation trivia and encouraging to take any transportation alternative to a single-occupancy car ride

#### International Civil society service

- Translated the crowdsourced mapping platform for cyclist hazards “Bikemaps.org” to Spanish (Fall 2018 and Spring 2019) developed by the bicycle advocacy NGO Bikemaps.org
- Meetroopers (National network for entrepreneurship, innovation and technology communities). September 2016 to July 2017: Cochair, in charge of communications, and meetings planning, agenda setting and follow up to the projects led by the different tech, innovation, and entrepreneurship communities.
- Codeando México (tech NGO) October 2015 to July 2017: Activities included organizing “hack nights” and “meetups” and the annual Open Data Day to create awareness about the importance of Open Data in social problems.
- Internet Society, Mexico Chapter. Rapporteur for the Smart Cities conferences in the framework of the United Nations Internet Governance Forum (IGF) 2016.
- United Nations Online Volunteering Program October 2013 to Summer 2015. Searched news and publications about women's rights, gender equality for the blog posting of the Nigerian NGO Delta Women (in English, Spanish and French).

## **4. SKILLS**

### **4.1 Interpersonal Skills**

- Foreign languages: Spanish as first language, advanced proficiency in English, fluent in French and Portuguese
- Creative problem solving
- Teamwork and inclusive collaboration
- Community and capacity building
- Global & intercultural fluency
- Learnability

### **4.2 Technical skills**

- Research skills
- Digital skills: Microsoft Office Suite
- Digital readiness
- Data management: R and R Studio, MAXQDA