

MARIAH VILLARREAL

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General Resume

EXPERIENCE

- 08/2018–
current **Computer Science Teacher**, MARGARITA MUÑIZ
ACADEMY, Boston.
Developing and teaching a dual-language, English and Spanish,
computer science curriculum for 9th-12th grades at a public inno-
vation school with the core value of social justice through authentic
connections to the community.
- 12/2013–
current **Founder and Director**, LIBRE LEARN LAB,
librelearnlab.org.
Sustaining relationships with sponsors, speakers, community volun-
teers, and participants. Raising public awareness on learner-centric
tools and media that respect learning freedom through interna-
tional collaboration. Facilitating meetings, online engagement and
presence of the community with web blogs, collaborative platforms
and social media accounts.
- 01/2016–
06/2017 **Technology Director Lead**, BOYS & GIRLS CLUB OF
BOSTON.
Directed and oversaw the design, delivery and evaluation of a
program which facilitated youth to learn for creative expression
with STEAM with partnerships, community collaborations and
member-driven initiatives. Coordinated professional development
for Technology Directors and assisted in hiring assistants and high
school staff. Maintained internal server infrastructure for machines
running Mac OS, Windows and GNU/Linux.
- 01/2015–
08/2015 **Education Specialist**, PUTNAM MUSEUM & SCIENCE
CENTER.
Developed and instructed 12 after-school programs, 4 weeklong
summer camps, classroom outreach programs and in-museum pro-
grams for museum and the FabLab. Combined 21st century learn-
ing skills, experiential and informal learning science, and freely
licensed educational materials to facilitate the learning of fabri-
cation tools, computer programming, robotics, space exploration,
electronics, chemistry, design thinking, etc.

- 08/2013- **AmeriCorps VISTA, FIRST ROBOTICS.**
12/2014 Created and supported over 10 student robotics teams focused on fostering interest in STEM by building community partnerships. Recruited and trained volunteers to mentor robotics teams and hold technical workshops. Acted as a liaison to help initiate and secure a grant for science and technology summer program in San Antonio which impacted over 100 elementary students.
- 06/2013- **Maker Corps Member, MAKER ED INITIATIVE SITE.**
08/2013 Facilitated the learning of Scratch, Lego robotics, CAD software, conductive sewing, stop-motion animation and other maker projects using project-based learning pedagogy with over 200 students (50 migrant students) ranging 6–14 years of age.

PROJECTS & PRESENTATIONS

- 03/2018 **Engaging young people: How to include positive youth participation in our free software community.**
Presenter at Free Software Foundation's LibrePlanet. Presented findings and reflections from fieldwork on how to encourage and engage positive youth participation within the free software community. Highlighted how youth fit into the larger software freedom advocacy landscape.
- 03/2014 **Designing with empathy: explore perspective with MaKey MaKey.**
Workshop Facilitator at Stanford's FabLearn Conference & SXSWedu. Designed and led workshop for people of all educational backgrounds on incorporating empathy into the design process with the MaKey Makey to create game controllers for people with physical impairments. Presented to over 150 formal/informal educators, university students and younger students.
- 11/2013 **Don't be bored, make something.**
Panelist for The White House: *We the Geeks* Discussed how makerspaces and project-based learning inspire young people to be creative through personal anecdotes from my work with young people in art/technology based informal education programs.
- 06/2012 **Free education software in respect to Plan Ceibal.**
Conducted field research in Uruguay to explore the relationship between government officials' initiative Plan Ceibal, software developers and teachers local to Uruguay with regards to the software on the XO laptops sold by One Laptop per Child.

EDUCATION

Bachelor of Arts in International Relations, St. Mary's University.

International Economics, Development and Diplomacy, Howard University.

Social and Economic Development, Buenos Aires.

Languages

English Native

Spanish Professional working proficiency

Familiar with several dialects and varieties

ADDITIONAL INFORMATION & SKILLS

- Volunteer Affiliations: Google Code-In Mentor, Free Software Foundation Volunteer
- Technology Skills: 3d printing, laser cutter, CNC machine, online community platforms, intermediate systems and network administration
- Skills: Learning, facilitation, strategic thinking, working with English Language Learners, youth with autism and history of trauma, community organizing, international event organizing