Sofía Galán Bataller

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EDUCATION

Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM, CCM)
B.S. in Engineering in Mechatronics. (2016)

MAJOR PROJECTS

September 2019   **ToolKids VR** - Developed a WebVR mobile tool in collaboration with ToolKids to teach and build virtual environments using a phone and a VR cardboard. The project is the first in the market to fill the educational gap of teaching VR for kids in Mexico.

April 2019   **Echo bits** - This project is aimed to teach children IoT through an Amazon Alexa skill and a PCB board. Echo bits was shortlisted in Campus Party 2019 as one of the best projects and it's further being developed.

March 2019   **Vigilante** - Developed an IoT Alarm system to prevent gender violence in Mexico City streets. We were shortlisted at Cannes for innovation and won first place in Hackathon focused on Gender Violence.

WORK EXPERIENCE

2018 - Currently
Smart Lab, Founder
Founded a tech startup that focuses on technology project administration, innovation and development technology in Mexico. Until now, Smart Lab has participated actively in 8+ projects from the planning to the development and execution. Projects involve 3D printing, internet of things systems and virtual reality. Streetguard 1.0 was shortlisted at Cannes for an innovation award and most of the projects end up in MVPs and business opportunities like VR Toolkids.

2017- Currently
Sacred Heart School, STEAM Teacher
New Technologies Workshop is a technology course for high school seniors of Sacred Heart School, an all-girls school in Mexico City to encourage them to enroll in technological fields and close the gender gap in tech. Throughout the duration of the workshop, it has impacted more than 48+ students directly and 180+ girls indirectly.

2016 - 2018
FAB! Learning Mexico, Director
FAB! Learning México is a non-profit organization based on the successful STEM education project by Paulo Blikstein at Stanford University. Innovated curriculum with two new courses and one award winning summer camp in collaboration with Contemporary Art Museum Museo Tamayo in 2017 that revenues provided a third of the non-profit's yearly costs.

AWARDS, LEADERSHIP, LANGUAGES

- Fluent English (written and spoken), Native Spanish
- Creatón (Hackathon) 2019 Winner - Vigilante
- CISCO Challenge BBVA Hackathon 2018 Winner - Wireless IoT BBVA Branches Service
- Data Science Challenge BBVA Hackathon 2018 Winner.
- Project Management Certificate - Instituto Tecnológico Autónomo de México ITAM
- Study Abroad Program in B.S. Electrical Engineering & Computer Science - Oklahoma State University

TECHNICAL SKILLS

PCB Design	LabView	Embedded Circuits	Web Programming	Project Management	Virtual Reality
Bluetooth	Python	Internet of Things	Blockchain	Data Science	CAD Design
SCRUM	Matlab	Rapid Prototyping	Design Thinking		

AREAS OF INTEREST
Internet of Things, Machine Learning, Product Development, Business Intelligence, Innovation, Hardware, STEAM Education.

HOBBIES
Hackathons - Video Making - Blogging - Education - Running - Video Games - Maker - STEAM Education