

Escuela Superior Politécnica del Litoral

RESUME

PERSONAL INFORMATION

LAST NAME:	Rodríguez Granda
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RESUME SUMMARY

Electronic engineer, specialized in Control and Automation, with over four years of experience in the field of digital manufacturing technologies, prototyping, and Internet of Things (IoT) systems. In early 2019, in Quito, Ecuador, in partnership with like-minded professionals, founded Minkafab Cia.Ltda, a company dedicated to Industry 4.0 specializing in IoT solutions, Digital Manufacturing (3D Printers and CNC Machines), and Cloud Computing.

He has been involved in artistic-technological projects, consulting, and the implementation of digital manufacturing spaces, collaborating from the private sector on joint initiatives with academic institutions such as the Pontifical Catholic University of Ecuador and the Escuela Superior Politécnica del Litoral. Through Minkafab, he has developed products that are currently being marketed, including 3D printers, CNC machines, and monitoring and data collection devices using LoRa and LoRaWAN technology.

EDUCATION

DEGREE	LEVEL	INSTITUTION	FIELD OF STUDY	COUNTRY
Electronics Engineering, Automation, and Control	Third Level	Armed Forces University - ESPE	Engineering, System Control and Automation	ECUADOR

ACADEMIC EXPERIENCE

INSTITUTION	EXPERIENCE	START DATE	END DATE	EMPLOYMENT TYPE
ESPOL	Guest Professor	22/05/2023	Currently	Full time
ESPOL	Technician in the field of arts	01/03/2023	22/05/2023	Full time
ESPOL	Laboratory Technician	22/11/2021	28/02/2023	Full time

RELATED PROFESSIONAL EXPERIENCE

LOCATION	POSITION	AREA	START DATE	END DATE
Minkafab Cia.Ltda	Technical Director	Technical and Research Department	01/03/2019	12/11/2021
Minkafab Cia.Ltda	Project Manager	Faculty of Architecture, Design, and Arts (FADA)	01/04/2019	31/05/2021

Pontificia Universidad Católica del Ecuador	Consultant	Maintenance, Engineering and Design	01/01/2019	22/10/2021
Medialab CIESPAL	Instructional Designer for the "WAWAKIPU" Project and technological support in artistic residencies	Information Technologies	01/01/2017	01/01/2018

ACADEMIC EVENTS / PROFESSIONAL DEVELOPMENT

EVENT	TYPE	INVOLVEMENT	START DATE	END DATE	TIME SPAN	CERTIFIED BY
First Ibero-American Digital Manufacturing Festival	Talk	Instructor (taught)	24/11/2023	24/11/2023	2 h	FabLab - UDLA
Pedagogical Approach to Special Educational Needs	Course	Participant (received)	16/10/2023	31/10/2023	15 h	ESPOL
Budget Management and Development Using Excel as a Tool	Course	Participant (received)	12/04/2023	05/05/2023	30 h	ESPOL
Design Thinking Essentials	Course	Participant (received)	20/03/2023	19/04/2023	27 h	ESPOL
Design Thinking with a Pedagogical Approach	Certification	Participant (received)	20/03/2023	18/03/2023	120 h	I3Lab - ESPOL
5S and Operational Guide for Safe PracticesMaintenance	Course	Participant (received)	31/01/2023	31/01/2023	4 h	STAC – ESPOL
Electronic Waste Management - Prototyping	Talk	Instructor (taught)	14/07/2022	14/07/2022	2 h	UESS
Design Oriented to Additive 3D Printing Technologies - Academic Days + Design 5	Talk	Instructor (taught)	18/06/2019	18/06/2019	3 h	PUCE
Effective Importation	Course	Participant (received)	27/10/2018	27/10/2018	12 h	FADCAD. SA

PROJECT EXPERIENCE

PROJECT TITLE	INSTITUTION	START DATE	END DATE	COUNTRY
Consulting service to investigate and analyze the industrial maturity of the prioritized agro-export sector in the Greater Guayaquil area and its value chain for the implementation of Industry 4.0, focusing on eco-efficiency, productivity, and value-added products.	Epico – FABLAT - Minkafab	01/02/2021	01/10/2021	ECUADOR
Consulting, Design, and Implementation of Makerspace, Machinery, and Equipment	CorpoAmbato - Minkafab	01/02/2020	01/06/2020	ECUADOR

HONORS AND AWARDS

PROJECT TITLE	INSTITUTION	DATE	COUNTRY

PUBLICATIONS / PRESENTATIONS / EXHIBITIONS AND CREATIVE WORKS

TITLE	TYPE	YEAR	TYPE OF INVOLVEMENT