CARLOS ROSAS
Electronic Engineer & Python Developer

PROFILE

Towards self-sufficency & decentralization, where humans can empowered themselves and others to a less dependancy on intrinsic human needs such as: food, water, shelter, energy & information

CONTACT

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LANGUAGES

A1   C2

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🇺🇸 ▬▬▬▬
🇩🇪 ▬▬

EDUCATION

2011 — **MSC SOLAR ENERGY TU-BERLIN** — 5 yr
Photovoltaic On & Off-grid - PV Market & Entreprenuership - BIPV - Project Management - Business Administration

2008 — **CISCO CCNA UNIVERSITY FERMIN TORO** — 8 mo
Basic Networking - Router & Routing Basics - Switch Basics & Intermidiate Routing - WAN Technologies

2004 — **BENG. ELECTRONICS, UNIVERSITY YACAMBU** — 5 yr
Microcontrollers - Robotics - PLC Ethernet Network - Automation Electronics Circuits - Power Electronics

WORK EXPERIENCE

2016 — **CTO & CO-FOUNDER – SOLARVIBES, BERLIN**
Design and prototype an IoT system to monitor crops' soil and weather conditions to automate farm's irrigation system and develop a web app for digital farming. — 2 yr

2014 — **PHOTOVOLTAIC ENGINEER – ET SOLUTIONS, MUNICH**
Internship - worked in engineering department designing PV power plant's projects for an EPC company — 6 mo

2011 — **DESIGNER – FANTASO, VENEZUELA**
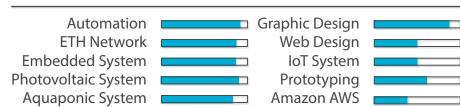Designed and hand-crafted ambient lighting boxes for an advertisement company — 6 mo

2010 — **IT NETWORK INTEGRATOR– POLAR, VENEZUELA**
Co-designed & implemented ethernet network for the controllers of 13 bottling production lines for a brewery company. — 10 mo
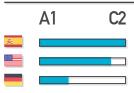
2009 — **AUTOMATION DESIGNER – MERIDEÑA, VENEZUELA**
Designed and implemented the automation process for curing sausages for a sausace products factory — 4 mo

EXPERTISE

Automation ▬▬▬	Graphic Design ▬▬▬▬
ETH Network ▬▬▬	Web Design ▬▬▬
Embedded System ▬▬	IoT System ▬▬▬▬
Photovoltaic System ▬▬▬	Prototyping ▬▬▬
Aquaponic System ▬▬	Amazon AWS ▬▬

TECH SKILLS

CODE	PHOTOVOLTAIC	DESIGN	3D
Python ▬▬	PV Sol ▬▬	AutoCad ▬▬	Vray ▬▬
HTML/CSS ▬▬	PV Syst ▬▬▬	Illustrator ▬▬▬	SketchUp ▬▬▬▬
Embedded ▬▬	Meteonorm ▬▬	Adobe XD ▬▬	Fusion 360 ▬▬