JONATHAN COBOS

INGENIERO EN SISTEMAS ENERGÉTICOS SUSTENTABLES.

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🏠 Toluca, Mexico State.

EDUCATION

Universidad Autonóma del Estado de México.

Ingeniería en Sistemas Energéticos y Sustentables. (Expected graduation date: December 2023)

SKILLS

- Excel
- SolidWorks
- Autocad
- PVsyst
- Communication skills
- Analytical thinking
- Time Managment

LANGUAGES

- English B2
- German A2
- French A1
- Spanish (Native)

ABOUT MYSELF.

I am a proactive person, organized and responsable. I am always willling to realize my assigned duties. I am able to teamwork. I am searching for challenging position which can help me develop skills and habilities.

WORK EXPERIENCE

Mechanic Workshop.

June 2017-June 2020

- Computer diagnosis.
- Schedule future services and delivering estimated price.
- Realizing duties in the workshop.

Own Bussines | Solar Fotovoltaic Advisor.

June 2020 - Present

- Sell and instalation of solar water heater equipment.
- Advisory to clients from solar photovoltaic equipmente.
- Sizing of photovoltaic projects.

COURSES

- Solidworks & Autocad Intermediate.

SCHOOL PROJECTS

Wind Turbine

- Design of the turbine in Solidworks and Catia
- Test of the performace of the turbine with ANSYS.
- Connection of the electrical wires of the engine with the turbine, and production of 5 volts of direct current.

Current Inversor | Featured Project.

- Building the circuit in Multisim.
- Programming Arduino 1 to realize the charge of a battery whenever I needed.
- Builing the circuit in a protoboard and testing with a current generator.
- Charging a motorcycle battery with a solar photovoltaic panel, transforming direct current produced by the panel into alternate current, thus charging the battery with no electricity.

Photovoltaic Sizing.

- Propose the solar photovoltaic cells and inversor.
- Calculate the estimated cost with and without photovoltaic system.
- Design of the photovoltaic system with PVsyst.
- Calculate the estimated generated energy per year.

Solar Stove | Awarded Project.

- Design of the solar stove in Solidworks.
- Manufacturing with a blacksmith team the solar stove.
- Calculation of the solar concentrated coefficient estimated.
- Test of performance of the solar stove and measuring of the reached temperature with a thermocouple.
- Cooking a meat slice and an egg only with the sun energy.