

TOM SLATTERY

'ENGINEER' & 'DEVELOPER'

Tom@SlatteryINC.NET _ Boulder, CO _ 314-703-9423

UNIVERSITY OF MISSOURI

BS Mechanical Engineering · Mathematics Minor · Honors · May 2010

GOAL: Develop technology to help other people.

WORK EXPERIENCE

DC Engineering: Aug 2010 – Aug 2012

Slattery Inc: Sept 2012 – Current

- Energy analysis:
 - o Created programs to evaluate equipment energy usage/cost.
 - o Present results to the client
 - Explain up-front equipment costs vs. long term energy costs.
- Refrigeration and Building Automation Systems (IoT)
 - o Design: mechanical engineering/system design
 - Final design is drawn in CAD.
 - o Controls/IT
 - Specify sensors, controllers, and IO boards.
 - Configure CPC Control Programs.
 - Connect to the on site controller's, from my office computer, and run tests with the contractor who is at the site.

IT SKILLS

- Good understanding of, how a computer works with data, and how data can be constructed into a Graphical User Interface.
- Various programming languages used to interact with a machines OS, another device directly connected to the computer, and/or devices connected via the Internet.

IT/ELECTRONIC/MECHANICAL PROJECTS

- Space Heater>Relay>Thermostat>Wifi>WebApp>Phone
 - o Control home>office temp from anywhere; (ie set to 70F when heading home)
- Peltier Modules (TEC)
 - o Plug-in Water Cooler
 - o Space Heater/Cooler
- Arduino
 - o Deeper understanding of how the sensors interact, with the Input/Output Boards and Controllers, in the systems I have designed in the past.
- Back End (localhost)
 - o Refrigerated System Design UI. Program to run the calculations for each subsystem and where these will sit in the overall system.
 - o Various programs to solve math/physics problems.
- Front End (SlatteryInc.net)

ABOUT ME

- Strong passion to help others
- Enjoy learning and problem solving
- Work well within a group and keep a positive attitude
- Stay very focused; especially when solving a problem, for a good cause.
- When not trying to solve a problem... Climbing, Skiing, Welding, Painting, Ceramics

VOLUNTEER WORK

Craig Hospital Rehabilitation Engineering

- Adaptive recreational equipment for spinal/brain injury patients. IE Fishing, Billiards, Cycling, etc. for people who thought their injury had closed these doors.