

TOM SLATTERY

'DEVELOPER' + 'MECHANICAL_ENGINEER'

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

UNIVERSITY OF MISSOURI

BS Mechanical Engineering · Mathematics Minor · Honors · May 2010

GOAL:

Collaborate my problem solving skills with my programming skills.

WORK EXPERIENCE

DC Engineering: Aug 2010 - Aug 2012

Slattery Inc: Sept 2012 - Current

- Energy analysis:
 - o Created a program to evaluate equipment energy usage/cost.
 - o Present the results to the client
 - Explain up-front equipment costs vs. long term energy costs.
- Refrigeration and Building Automation Systems (IoT)
 - o Design: mechanical engineering/problem solving
 - Final design is drawn in AutoCAD.
 - 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 this data is constructed into a software.
- Various programming languages, used to interact with a machines OS, another device directly connected to the computer, or devices connected via the Internet.

IT/ELECTRONIC HOBBY

- 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
- Back End (localhost)
 - o Refrigerated System UI: Does calculations on the go, as each subsystem is defined, and includes an option to edit these values, manually, if needed.
 - o Various programs to perform math/physics calculations.
- Front End (SlatteryInc.net)

ABOUT ME

- Positive, Self Motivated
- Enjoy learning and problem solving
- Work well within a group and pay attention to others
- Stay very focused; especially when working towards a goal
- Hobbies away from the computer... 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.