

# STEVE BLACK

SE, Grand Rapids, MI 49506

(231) 629-2266

[steveblackecmpe@gmail.com](mailto:steveblackecmpe@gmail.com)

## WEB DEVELOPMENT

Finding meaning in a sea of data is what I truly enjoy and what has brought me back to coding. After years of working in separate systems of standalone formats, learning to program what was needed at that moment, leads to a desire to make it all work together in a better way. This is what I want to do and learning the coding and development skills has given me a new way to solve age old manufacturing data platform incompatibility.

Current course topics covered:

HTML, CSS, Javascript, JQuery, BootStrap, AJAX, API's

## MANUFACTURING ENGINEERING LEADERSHIP / PROFESSIONAL

Systematic data driven engineering leader focused on utilizing multiple industry experiences for best practice, continuous improvement and sustainable quality.

## AREAS OF EXPERTISE

PCB/Assembly DFM  
Continuous Improvement  
Circuit Board Tooling

IPC-610  
Capital Investment  
Assembly / Manufacturing

Project SOW  
Facility Layout  
Problem Solving

## CAREER PATH

**CAMPBELL GRINDER CO. Spring Lake, MI**

**December 2018 – Present**

### Manufacturing / Procurement Engineering

- Develop and document processes for efficient procurement and demand generation.
- Visit vendors to build relationships, set clear expectations, and document standards.

### Change Management and Shop Floor lead

- Manage/Mentor staff of 16+ Technical staff
- Monitor, report, and drive improvement actions for build process and plant metrics
- Develop project plans for continuous improvement

**EBW ELECTRONIC Holland, MI**

**December 2017 – December 2018**

### Manufacturing Engineering Manager

- Manage/Mentor staff of 12+ Technical staff across 3 shifts

- Monitor, report, and drive improvement actions for engineering plant metrics
- Quote new products, tooling, equipment, and capital investments
- Manage new products, tooling, equipment, and capital investments from concept to implementation
- Integrate industry standards for process development and control
- Mentored cross functional teams during the transition from business award through production.

**FIRSTRONICS, LLC. Grand Rapids, MI**

**October 2013 – December 2017**

#### **Engineering Manager**

- Manage/Mentor staff of 12 Technical staff including Test, Process, Preventative Maintenance, and Launch Engineers
- Monitor, report, and drive improvement actions for engineering plant metrics
- Quote new products, tooling, equipment, and capital investments
- Developed and implemented Check-list system for ECN and NPI management in PLEX.
- Managed migration from old system to new PLEX ECN/NPI System.

**TOGGLE (ILUMISYS) Troy, MI**

**February 2012 - October 2013**

#### **Sr. Manufacturing Engineer**

- Created Intelligent internal Part number system
- Created machine work instruction and assembly instructions
- Cross trained all staff on operation and maintenance of all equipment.
- Worked with outside automation vendor on the SOW, development and implementation of a \$3.5million dollar custom automation cell.
- Worked with R&D, ensuring product is designed for manufacturability
- Evaluated and selected all remaining major equipment purchases. Selective solder, AOI, Auto-Router, Conformal Coating, and Test.
- Programmed all equipment

**FIRSTRONICS, LLC. Grand Rapids, MI**

**August 2011 – February 2012**

#### **Senior Process Engineer**

- Implemented UV conformal coating and developed custom curing oven.
- De-commissioned (scrapped) several idle assets and made \$3500 net profit
- Supported many aspects of production including: DFM, and Launch activities

**BORISCH (ABT) MANUFACTURING Grand Rapids, MI**

**August 2007 - August 2011**

#### **Automated Process Engineer**

- Responsible for supporting 80% of the revenue, 2 largest customers at the time.
- Managed continuous improvements in process, fixtures, programming, and machine qualification.
- Saved over \$150,000 on several occasions by creating SMT family kits to reduced changed over and line setup along with improved throughput with line balancing
- Implemented and defined the (new to ABT) selective soldering process
- Developed / redefined wave soldering process specifications and assembly documentation.

**KIMBALL ELECTRONICS (REPTRON) Gaylord, MI**

**January 2004 - August 2007**

**Lead Process Engineer**

- Supported night shift across 5 lines, which included, SMT, TH insertion, Wave, Test, and pack out.
- Managed off shift launch activities: line setup and validation, machine vision programing  
Conceptualized and implemented database record keeping for process improvements and documentation RED-Lines.

**EDUCATION**

BSEE Michigan Technological university – 2003