
KAVI SIEGEL

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Experience

Cartridge World Milford

Ink Technician

June 2008 – December 2008, and intermittently from July 2009 to present

- Refilling, testing, and packaging ink cartridges
- Developing new, more reliable methods of refilling

Technipower, LLC

Product development/machinist

June 2009 – Present

- Summer job developing a new product, ground mouted solar panel
- Operating CNC mills, drawing new parts
- Created an assembly manual, and installation manual

Computer Recycling USA

Webmaster

May 2009 – Present

- Updates of the website, new pages and changing content
- Rebuilding a subsidiary company's website

Freelance Web Development

Webmaster

December 2005 – Present

- Designing, programming, and selling new websites
- Did subcontracted coding of segments for other sites

Education

Blackstone Valley Regional Vocational Technical High School, Upton, MA

2006 – Present

- Grade A student in Manufacturing Technologies
- Competed in SkillsUSA Regional Competition in 2008 for Precision Turning, and 2009 for CNC Milling
- FIRST Robotics 2009: Programmed the robot, assisted with design, and machined many parts. Our team went on to win in the Boston regional, against 53 other teams, and ranked #16 in our division in the international competition.

Web Development Skills

Database Management

- MySQL, Flatfile, XML
- Microsoft Office Excel (via XML)

PHP

- Experience on object oriented programming, as well as imperative programming
- Code is always optimized and well structured.
- Good with scraping and parsing data from outside sources or formats
- Manipulation and creation of all aforementioned database formats
- Skilled with the GD library, image manipulation, and recognition

JavaScript

- Lots of experience with AJAX, and XML integration
- Creation of interactive web GUIs that interact with PHP, and MySQL
- Familiar with DOM objects
- Code always optimized, staying away from frameworks where possible, but capable of integrating frameworks for increased functionality where necessary
- Browser and platform cross-compatibility

HTML, CSS

- Code always complies with standards (XHTML 1.0 Strict)
- Strong abilities in cross-browser support, if required, even mobile browsers

Design

- Photoshop, Imageready, Illustrator
- Vector drawing, logo design, website design, animation

Manufacturing Skills

Machining

- CNC machine programming and operation.
- CNC Machine setup, edgfinding, loading and running programs
- Familiar with hand coding CNC programs - G-Code as well as conversational programming
- Creating toolpaths and code via MasterCAM
- Manual milling and turning - experience with low tolerance parts
- Designing and machining custom work holding devices

Welding and fabrication

- Stick welding, MIG welding, TIG welding, oxy-fuel welding, spot welding, brazing, and soldering
- Stainless steel and Aluminum welding
- Arc gouging, Oxy-fuel cutting, Plasma cutting, nibbling, shearing, and sawing.
- Experience with hand breaks, press breaks, rollers

Miscellaneous Skills

Electronics

- Reading and designing basic schematics
- Good with soldering, and testing

Drafting

- AutoCAD - 2d and 3d part design
- Solidworks, AutoDesk Inventor, MasterCAM