

Smart & Gets Things Done

www.paufler.net

a single link being worth a thousand words

Brett Paufler

Python Programming

Image Manipulation

passing familiarly with Numpy, Pandas, PIL, openCV, SciPy, & Skimage, some use of Irfanview, Gimp, ImageMagick, & Inkscape, and contact with Wavlets, HoG, & Sobel and Carney Edge Filters (and more), leading to concrete results such as:

[Histogram of Gradients](#) - tutorial, introduction, just plain messing around

[Ghostly Aura](#) - a nice color shift effect, once again, just for fun

[Through Emerald Colored Eyes](#) - a more advanced photo filtering algorithm

[Tales of the Nav](#) - a simple off the shelf implementation

[Image Magick Transform Test Page](#) - being a debugging tutorial of sorts

Data Analysis

use of pandas, numpy, matplotlib, along with various data ripping, munging, and manipulation skills

[Lottery Game Play Analysis](#) - chock full of maths, charts, and colorful graphs

[Price of Corn vs Oil](#) - correlation, there is none; relationship, yes; correlation, no

Various Home Brew Utilities of Dubious Value

Loan Matrix, Text Data Extraction & Crunchers, Focused Web Crawlers, Directory Flattener, Back Up Batch Utility, & [Automated HTML Page Creation Utilities](#) for use in:

Website & Content Creation

HTML, CSS, & Extensive Javascript

[Rectangle Game](#) - all of these being tested on Mozilla's Desktop Browser only

[Quazy Face of the Prophet](#) - being an abuse of the YUI graphing library

[Compound Pendulum](#) - a masterpiece of nested structures utilizing paper.js

[Gradient Animation](#) - I browsed, I saw, I copied, then I improved, in paper.js

[Paper.js Tutorials](#) - - [Bubble Drop Game](#) - - [Beating Heart](#) - - [Octagon Wars](#)

Haskell

75+ Project Euler Problems Completed (I'm sort of proud of that)

Real World Business Experience

24+ years (same company) selling commercial construction supplies, designed my own telecommuting paperless environment and work flow to accommodate all phases of project management including: material design, contract negotiation, invoicing, bookkeeping, regulations, taxes, etc,etc,etc,etc.

Education

BS Industrial Psychology, Electronics Certificate, Addiction Studies Certificate