Marriage, A Self Portrait, Frame 2180

I created this image using the Processing & Ruby programming languages. Each dot is programmed to have a sense of magnetism, to the ring being formed.
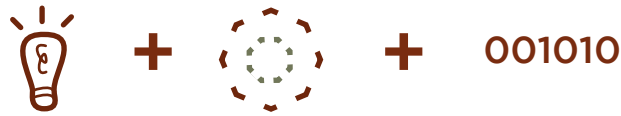
More info: processing.org, ruby.org

I believe that even the most complex data can be distilled into an easy to understand visual format.

Ren Provey, Portfolio & Resume
ren.provey@gmail.com
919.308.0735

I am a user experience **designer** and **technologist** interested in marrying innovation, design, and technology.

+ + 001010

INNOVATIONS

PackageTrack is a Twitter-based package tracking application I designed and built for shipment tracking, notification, and mapping through Twitter, email, and mobile phone text messaging.

PackageTrack has organically grown to over 500 users. Recently, Dell Computer expressed interest in extending PackageTrack to their customers.

Website: http://packagetrackapp.com/
Sample: http://packagetrackapp.com/map/tq9cvf01

Hello Leonard is a news archiving application that I developed to operate across multiple web-based news and information sources, taking snapshots every few minutes. Hello Leonard allows a user to view the news both linearly, through the progression of a news source over time, as well as horizontally, through a group of snapshots from varied news sources at a given instant in time.

Intervention Hub is a collaborative effort with members from Lowes Grove Middle School (Durham Public Schools). I have partnered with the school administration to develop software that will electronically monitor a child's behavioral incidents, and notify staff, parents, social workers, and other interested parties.

While not quite in the scope of this document, feel free to ask me about the 2 kayaks I've built and my budding interest in the Arduino electronics platform.

PackageTrack technologies in brief:
Ruby on Rails (language / framework)
Beanstalk Queuing Server
APIs: Twitter, Google Maps, UPS,
        FedEx, and USPS
Linux, Apache, MySQL, Passenger
jQuery javascript library

Including the Gov. of California (thats right, even the Terminator shops online!)

Hello Leonard technologies in brief:
Ruby on Rails (language / framework)
Amazon Web Services:
        Electronic Compute Cloud (EC2)
        Simple Storage Service (S3)
Linux, Apache, MySQL, Passenger

EDUCATION & AWARDS

Architecture (Program II), Duke University, 2000 - 2004
Connecticut Cross Country State Record Holder

PROFESSIONAL EXPERIENCE

Principal, Signal Engine, Durham, NC, February 2009 - Present

In addition to the projects listed on the Innovation page, I've done client consulting, websites, and learned a lot about managing a business.

Designer + Senior Developer, Topsail Technologies, Durham, NC, July 2008 - Jan 2009

> **Electronic Medical Record System**, designed and prototyped a Ruby on Rails based system as part of a winning bid.

Duke University, Durham, NC, Aug '05 - May '08
I held 3 positions, primarily in the Internet Framework Services group. I've only detailed my time in IFS, as it is most pertinent (but will happily talk about any of it).

UX Designer + Technologist, Internet Framework Services, Duke University, Nov 2005 - March 2008

Investigated and defined new standards and technologies for department and university-wide use.

Facilitated the adoption and implementation of best practices in the areas of UI + UX design, information architecture, and front end development.

> **OIT Information Display Project**, helped spec hardware, software and built a AJAX based slideshow system for delivery over the web to large displays across Duke.

> **Duke University Student Portal**, engineered the ground up redesign, development, and launch of Duke University's DukePass Student Portal. I was responsible for the architecture, design, and front end development of DukePass.

Duke Responsibilities included:
Technology Research
Interaction and Graphic Design

Frontend Technology Expertise
(XHTML, CSS, Javascript)

Duke University Hosting Environment
(Web & Database Administrator)

Hannon Hill Cascade Server
(Administrator, Developer)

Google Search Appliance
(Administrator)

DukePass technologies in brief:
JASIG uPortal (Java / XML)
Spring Framework, JSP
HTML, CSS, Yahoo's YUI JavaScript
Tomcat Server

PROFESSIONAL EXPERIENCE (cont.)

The relaunch of DukePass was marked by more than a 4x increase in logins. DukePass became the model for many of Duke's peer institutions, and groups within Duke reorganized business processes with the portal playing a crucial role.

The **Facebook Portlet** illustrated our commitment to provide compelling content and a policy of embracing popular services and working to extend them. Integrating with external services like Facebook, Gmail, or Del.ico.us was a large step for an academic institution, but through user feedback, we know these decisions drove DukePass' success.

The **First Year Checklist Portlet** provided a single interface to the status of items like housing applications, class registrations, immunization approval, and meal plan registration.

The **Google Maps Portlet** is an interactive map combining Google Maps and a category based list of student destinations (grocery stores, gas stations, concert venues, restaurants, etc).

Principal, Ren Provey Studios, Ketchum, ID
May 2003 - Aug 2006
Web designer and developer for small businesses, worked to provide standards education to clients.

Work-Study John Hope Franklin Center - Duke
Educator and systems administrator of the Multimedia Project Studio and Mobile Multimedia Project Studio.

*

Other more exciting jobs include working as a juggler & magician for two summers during high school. A partner and I performed and taught at events and camps, juggling everything from balls and rings to knives and flaming torches.

We had to build this in a week. Using our existing frameworks, everything came together nicely and was used by students world wide.

Related Knowledge and Interests:

Design:	Languages:	Version Control:
Prototyping	Ruby	Git & Subversion
User Interface	Processing & Wiring	
Information Architecture	XML, XSL, HTML & CSS	Platforms:
Adobe CS	JavaScript, ActionScript	OS X & Windows
		Ubuntu & Fedora Linux

DESIGN

DukePass Student Portal:
Designed and built while working for IFS at Duke University.

Intervention Hub
A working prototype in the process of being rebuilt for production use.

On the web:
signalengine.com
packagetrackapp.com

kingsdaughtersinn.com
wiki.duke.edu