

# Benjamin R. Engebreth

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also available at: <http://www.benengebret.org/resume>

## About Ben

I am trained as a Scientist and Engineer and have always been interested in technical problems within (though not limited to) those disciplines broad boundaries. I also have great interest in the open source and open information movement, web development, energy and the environment, entrepreneurship and the interplay of them all. I live in New York City.

## Experience

### Now

Currently I work as an independent software developer and data consultant. I specialize collecting and interpreting both explicit and implicit datasets available on the web.

### 10/2007-5/2009      Majestic Research

At Majestic I worked in R&D as a data analyst. My primary role was to develop novel research products through the acquisition and analysis of proprietary datasets. During my tenure at the company I created a new data product which saw sales of \$750K in its first 6 months of existence. I continue to consult for Majestic after resigning from my position in May of 2009.

### 11/2005-11/2006      Eyebeam Openlab Research Fellow

Research & Development at an Art & Technology non-profit. At Eyebeam I developed Personal Kyoto (a web app for tracking and reducing your electric use), Slash/Links (a Rails based open source software tool for sharing bookmarks) and helped design synthetic meteor trajectories for Bill Dolson's Reentry piece.

### 2003-2005              NASA Jet Propulsion Laboratory

As an engineer at JPL I designed a GUI interface for a trajectory optimization program as well as initial guess software that helps the user provide more physically appropriate starting guesses to the optimizer. I also did numerous preliminary design and feasibility studies for spacecraft trajectories.

### 2001-2003              University of Colorado

My Research Assistantship work involved the analysis of altimetry data from a number of satellites. I also studied and implemented multiple algorithms for spacecraft trajectory optimization.

### 1998-2001              University of Georgia

At the University of Georgia College of Education I was responsible for the computing needs of the entire River's Crossing center that housed hundreds of faculty and staff of the college. The work included installation, maintenance, and repair of hardware and software on PC, Apple, and Linux/Unix platforms.

### 1997                      CyberDawg Café

I was one of two network engineers responsible for creating the computing environment of this Athens Georgia Internet Cafe.

### 1992-1996              Grant Computer

Throughout High School I built and repaired computers at an Atlanta PC shop.

## Education

2003 - University of Colorado

MS Aerospace Engineering Sciences

2001 - University of Georgia  
BS Physics *Cum Laude*

2005-2006 - FIT, NYU, SVA  
Continuing Education classes in art & design.

## Computer Skills

Unix, Linux, OSX  
Ruby, Rails, PHP  
(X)HTML, XML, CSS, MySQL  
MATLAB, R, C, Perl, Python

## Websites / Projects

[www.deptofnumbers.com](http://www.deptofnumbers.com)  
Summer 2009

[www.housingtracker.net](http://www.housingtracker.net)  
HousingTracker provides semi-realtime monitoring of Real Estate trends such as inventory, asking price and affordability.

[www.personal-kyoto.org](http://www.personal-kyoto.org)  
Personal Kyoto is a web based electric consumption monitoring (and reduction) tool for New York City residents.

[www.benengebreth.org](http://www.benengebreth.org)  
Personal website.