



# Gregory Drake Wilson

greg@awnage.com



## MISSIONS:

### 2013-present

**Senior Security Software Engineer**  
Redport Information Assurance, Gaithersburg, MD  
LAMP Developer Subject Matter Expert for the Department of Energy OCIO ITSS.  
Responsibilities include developing and maintaining cutting edge applications to assist reverse malware engineers, network intrusion engineers, incident response analysts, etc. Create "big data" dashboards and visualizations to reduce information overload. Responsible for the development and maintenance of custom federated government task applications, including coding, unit testing, and debugging. Consult with application architects to clarify functional requirements and program objectives. Document detail design and technical requirements to meet business needs.

### 2008-2013

#### Principal Systems Architect

Social & Scientific Systems, Inc., Silver Spring, MD  
Serve as technical lead, managing the two largest HIV/AIDS clinical trial networks in the world. Oversee geographically diverse programming team varying from junior to expert level developers. Explore, evaluate, and implement new technologies. Assist with proposal and grant writing. Advise leadership on the best technical solutions for given problems. Collaborate across functional groups to build innovative products. Determine user requirements, build specifications, design data models and structures, and oversee deployment of new releases.

### 2006-2008

#### Senior Research Scientist

The George Washington University Biostatistics Center, Rockville, MD  
Lead and managed the work of research web programmers for the international Type 1 Diabetes TrialNet project.

### 2002-2007

#### Web/Database Developer/Administrator; Graduate Student

Cornell University  
Department of Plant Breeding & Genetics, Ithaca, NY  
Developed data models and web systems to handle large amounts of genetic data with the ability to correlate with existing international databases in order to help feed the world.

### 2004-2007

#### Web/Database Consultant / Administrator

Cornell Outdoor Education, Ithaca, NY

### 2002

#### Web Programmer, CONTOUR Project

Center for Radiophysics and Space Research, Ithaca, NY

### 2000-2002

#### Senior Internet Developer

Campus Crusade for Christ Intl., Orlando, FL

### 1998-2000

#### Network Administrator

Cornell University Department of Plant Biology

Over 15 years of experience as a computer professional and leader, including experience as a team lead, geneticist, and programmer. Primary area of focus has been in web application systems, visualization, design and modeling. I am primarily interested in using my skills to make a difference in the world.

## Education:

**2007: Cornell University, M.S.**  
Plant Breeding and Genetics  
*Focus on computational genetics and statistics*

**1998: Cornell University, B.S.**  
Chemical Engineering

## VERIFIED:

(ISC)<sup>2</sup> CSSLP  
Zend Certified Engineer (ZEND00627A)  
ComptIA Security+ (LZSO1ZWJLQ64ESGD1)  
Zend Certified PHP5 Engineer (6274)  
Eagle Scout

## Publications:

"Basic Intrusion Detection with Expose"  
php[Architect],  
Sept. 2015

"A Universal Core Genetic Map for Rice"  
J. Orjuela, et al.  
Theoretical and Applied Genetics 120:3 563-572.  
Oct. 2009

"The map-based sequence of the rice genome."  
International Rice Genome Sequencing Project  
Nature 436: 793-800, Aug. 2005

Linux

OSX

Windows

MySQL

Mongo

Oracle

Neo4J

SQLite

git

Subversion

PHP

SQL

HTML5

CSS

JS

Clojure

Angular

Meteor

Laravel

Drupal

Wordpress

jQuery