

John Downey  
john@jtdowney.com

## TECHNICAL SKILLS

C#	Unix/Linux Administration	Windows XP/Vista/7	ASP.NET
Python	Apache	Microsoft Office	HTML/XHTML
Ruby	Bind	Visual Studio 2008/2010	XML
C/C++/Objective-C	Sendmail	Windows Server 2003/2008	JSON
Java	MySQL/PostgreSQL	Microsoft SQL Server	CSS
Smalltalk-80	OpenLDAP	Active Directory	Subversion/Git
T-SQL	Samba	IIS 7	LabView

## SOFTWARE PRINCIPALS

I am experienced in working with good software principals including Test Driven Development, SOLID, and Domain Driven Design

## EXPERIENCE

### Purdue University

*Senior Software Developer*

April 2008 – Present

- Developed web applications for internal and external users
- Served as Interim Manager of Software Development for four months
- Used ASP.NET and Microsoft SQL Server to develop maintainable applications
- Integrated multi-department systems to increase positive user experience
- Developed system for Freshmen at Purdue to contract for Housing online (<http://housing.purdue.edu/NewResidentContract/>)
- Worked to replace aging systems in a University setting

### Ron Paul 2008 Presidential Campaign Committee

*Indiana State Coordinator*

November 2007 – February 2008

- Coordinated volunteers and professional petition gatherers statewide
- Made sure all involved followed the complex requirements for ballot access

### Purdue University

*Senior ResNet Computer Consultant*

November 2005 – August 2007

- Supervised a staff of customer support representatives
- Developed an extensively used knowledge management system (<http://kb.resnet.purdue.edu/>)
- Maintained preexisting in-house issue tracking software
- Lead development on the PURU project (<http://my.resnet.purdue.edu/puru/>)
- Provided network support for 11,000 Purdue students living in University Residences

### Edward Rose of Indiana

*Digital Cable and Internet Helpdesk Technician*

June 2006 – August 2006

- Supported resident's digital services
- Integrated helpdesk software

*Managed Information Services Technician*

July 2001 – December 2003

- Developed a traffic shaping solution for residential broadband internet
- Built in-house applications for accounting and management departments

## EDUCATION

### Purdue University

*B.Sc. in Computer Science*

In Progress

- Areas of Concentration: Internationalization (i18n), cryptography, and distributed computing

## VOLUNTEER WORK

### FIRST Robotics

*Staff Advisor for Purdue FIRST Programs*

April 2008 – Present

- Advised a Purdue University student organization involved in mentoring students for the FIRST Robotics Competition

*Programming Mentor on Team #1646*

September 2006 – Present

- Mentored a team of high school students on embedded programming and robotics

### Boy Scouts of America

*Assistant Scoutmaster in Troop 396*

2004 – 2006

- Taught Computers and Citizenship in the Community/Nation/World merit badges