

Daniel Krol

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Objective: To find creative ways to use computers to help simplify and organize our lives.

Work History

- **Web Development Contractor** Nov. 2009 - Dec. 2009, Feb 2011 - Present
Reusable Bags/Reuseit Chicago, IL
 - Site bug fixes/updates in PHP/SQL
 - Script to update transaction statuses for missed Paypal transactions, PHP
 - Shipping house entry form using JS/Jquery and PHP/Zend Framework
- **Web Development Contractor** Apr. 2010 - Oct. 2010
Shelfworthy.com Chicago, IL
 - Added a Django app for a feature still under NDA
- **Software Engineer** Feb. 2006 - Sept. 2010
Oracle (formerly Stellent) Chicago, IL
 - Bug fixes and general maintenance for spreadsheet file parsers for Outside In, in C
 - Implemented features for spreadsheet file parsers for Outside In, in C
- **Temporary Position: In House Software Development** Jun. 2005 - Nov. 2005
Metal Treaters Inc. St. Paul, MN
 - Developed a timer display board for industrial ovens, including Requirements Gathering, Design, Implementation in Visual Basic .NET, and Validation/Support
- **Summer Internship** Jun. 2003 - Aug. 2003
Identix, Inc. Eden Prairie, MN
 - Hardware quality testing for BioLogon project
 - Updated internal technical documentation for IBIS project testing procedure
 - Bug testing for firmware and software interfaces

Projects

- **Django Website: argumentclinic.net** An experimental debate site in progress. Includes debates, sub-debates, and debate proposals. See "about" section for details. So far has had a handful of active users.
- **Industrial Oven Schedule Display** Created for Metal Treaters Inc. Input, conveniently display, and give alerts for removal times for items in a series of metal treating ovens. Gathered requirements from shop manager and employees, designed, implemented in VB .NET. Currently in use at MTI, St. Paul MN.
- **Client Side Development on Entrepreneurial Project** Was one of two people on the client development side of SkyBlue Mobile, an entrepreneurial project to create a cell phone application to deliver personalized real-time data to a phone's idle screen. Was major part of client side design, coordinated with server side team, developed in Blackberry J2ME. Team was awarded by WINBC for its innovation at the CTIA conference 2005 at New Orleans.

- **Robot with speech recognition** Responsible for project software design and implementation, including two micro-controllers (in C) and interfacing them with a custom serial connection. 3rd place in Communications, Education, & Government track on IPRO Day, and winner of IIT's Enpro Challenge in Fall 2004.
- **2D Game Demo/Engine** Developed a preliminary version of a 2D game, Differential Equation Munchers, using Python and Pygame. Game is fully functional, including a start menu. This game uses an incomplete version of a 2D game engine I am writing. Source available upon request.

Skills

Languages: C, C++, Python, HTML, XML, CSS, PHP, Haskell

Operating Systems: Linux (Ubuntu, Gentoo, Arch)

Other: Django, Apache, File format parsing

Education

- **Illinois Institute Of Technology** Chicago, IL
• B.S., Computer Engineering, 2001-2005

Misc

Interests/Activities: Personal programming projects, Collecting old video games , Juggling, Biking, Chicago GNU/Linux User's Group, Free and Open Source Software