

# Doug Swain

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## Employment:

*Global Online Electronic Services*- Hackettstown, NJ

- Web Developer: December 2009 – January 2010
  - Began development of a unified framework for user and administrator management of VoIP configurations (in the Yii Framework)
  - Allowed for users and administrators to use a common interface to configure different portions of the GDV system
- Web Developer: June 2008 – August 2008
  - Redesigned the sign up process for <http://voip.goes.com/>
  - Designed a class for the XML HTTP Request service allowing users to purchase DIDs
  - Rewrote user invoices and call history PDF's
  - Began developing a new VoIP system administrative back end in Zend Framework and Dojo
- Web Developer: March 2007 - August 2007
  - Created user settings pages including voice mail settings, telephone preferences and other settings
- Web Server Manager: December 2006 - March 2007
- Phone Technical Support (dial up, DSL): May 2006 - December 2006

*University of New Hampshire*- Durham, NH

- Programming Assistance Center Consultant: September 2008 – Present
  - Taught and corrected programming concepts, design, and syntax for students of all ranges of programming classes and languages (C, C++, Java)
  - Guided students through Linux environment
- Intro to Computer Science 2 Teaching Assistant: June 2009 – Present
  - Designed assignments and solutions for the 2<sup>nd</sup> semester Computer Science course along with implementations
  - Taught the recitation portion of the class in the Fall Semester of 2009

## Experience:

*Web Development:*

- **DS Web Development:**
  - Freelance web design for individuals, small businesses and groups
  - June 2007 – Present
- **Senior Project/Independent Study**
  - Developed a basic Content Management System (CMS) from scratch
  - Self-taught MySQL, HTML, CSS, and PHP in the process
  - Gained experience in the design, development, and debugging processes as well as customer communication skills
  - September 2006 – January 2007

*Computer Consulting:*

- Troubleshooting Hardware/Software
- Networking/Internet
- Installations/Repairs/Upgrades

*Computing Skills:*

- **Operating Systems:** Linux, Windows (95-7)
- **Server Deployment:** Microsoft Internet Information Server (IIS-Including Frontpage), Apache HTTPd Server, PureFTPd, SSH
- **Programming:** PHP (4-5), Java (including Swing), C++, HTML/CSS, Bash (Shell) Scripting, Yii Framework (PHP), XML

## Education:

*University of New Hampshire*- Durham, NH

- September 2007 - Present
- Major: Computer Science
- GPA: 3.1

*Hackettstown High School*- Hackettstown, New Jersey

- September 2003 - June 2007
- GPA: 91

*County College of Morris*- Randolph, New Jersey (High School)

- September 2005 - January 2006
- GPA: 4.0
- Classes: Computer Concepts and Problem-Solving Techniques

*Warren County Community College*- Washington, New Jersey (High School)

- January 2006 - May 2007
- Classes: Statistics, Chemistry

## Activities:

- Telemark Skiing, Hiking, Biking, Listening to Excellent Music!
- Completed 40 miles of the Appalachian Trail (in New Jersey)
- Marching Band Drum Line Section Leader (2006 Season)
- 3rd Place in Math League Competition (Algebra)
- 10+ College Credits Earned while in High School