

Daniel F. DeBlasio

Personal Information

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Objective

My eventual career goal is to work at the university level as a professor. To achieve this goal my intermediate step is to earn my PhD in Computer Science. Right now my research interests include Machine Learning, and Complexity Analysis. My MS in computer science should be complete this summer, and I plan to start my PhD in the fall.

Education

University of Central Florida 2003-2007
College of Engineering and Computer Science
Orlando, FL
• Computer Science, B.S.
• Graduated, Summer 2007
• Took six (6) hours of graduate work

University of Central Florida 2007-present
College of Engineering and Computer Science
Orlando, FL
• Computer Science, M.S.
• Expected Graduation: Summer 2008
• GPA: 3.6
• Main concentrations in Machine Learning

Software Skills

Programming Language Exposure: Java, C/C++, Basic, Assembly, PHP, ASP, (X)HTML, MySQL, JavaScript, MSSQL, ASP.Net, VB.Net
Server Applications: Apache, PHP, MySQL, VNC, (S)FTP, SSH
General Applications: Microsoft Office (Word, Excel, Power Point, Access, Outlook), Macromedia DreamWeaver, Adobe Acrobat, Open Office, iWork (Pages, Keynote, Numbers), PhotoShop
Operating Systems: Windows (95, 98, 2000, XP, 2003, Vista), Linux (Mandrake 9, 10), Fedora Core, Ubuntu Family, FreeBSD, Mac OS X (Tiger, 10.4), MS-DOS
Hardware: LAN/WLAN construction, fixing/replacing broken software/hardware, (re)installing drivers and operating systems, Wireless network installation and setup, minor server administration on both remote and local machines.

Projects

HyperCar-City

Developed in **C++** this program is built on the NeuroEvolution of Augmenting Topologies (NEAT) framework. It outputs neural networks that can drive a car though a simulated city setting. originally developed for a course on Neuroevolution during the Fall semester of 2007 and continued past that.

Golf & Billiard Game Simulations

Developed in **C++** this is a text based program that took in information about simulated players and a fictional golf course and played out one possible scenario of the outcome. Was developed using the pair programming model, and specific development model. The whole process was directed and planed using the IEEE Standard 830 on Software Requirements Specification and the Object Oriented Development Model.

Image Manipulation and Object Detection Classes

Developed in **Java**. Created basic image input and output as well as generic image manipulation algorithms given in C. Modeled a paper from the IEEE 2005 Computer Vision Conference. (Software now owned by the University of Central Florida)

Red Cross of Central Florida Store Portal

Developed in **PHP** and **JavaScript**. Condensed an exiting store to one page using AJAX enabled JavaScript. This Included equipment rentals, class scheduling, donations and store items. Used Verisign for credit card payment and other small features. (Software now owned by cloudspace, Inc.)

DanDeBlasio.com

Currently developed in **PHP** and **MySQL**. This site is one I use mostly for experimentation and personal reference. Features include a user management system, and user posted content, also includes some personally design content management features.

Relevant Work Experience

- Teaching Assistant**, University of Central Florida Fall 2004
Orlando, FL
- COP 3223
 - Assisting students to learn the C programming language
 - Assist in technical problems associated with the course
 - Grade and debug assignments
- Developer**, cloudspace Aug 2005-Aug 2007
Orlando, FL
- Maintaining live web sites and applications using PHP
 - Maintenance of in-house content management systems.
 - Develop new applications in PHP and JavaScript (AJAX/DOM) using XHTML and MySQL
 - Some server administration duties
 - Customer relations
- Undergraduate Researcher**, University of Central Florida Summer 2006
Orlando, FL
- Working in the Vision Lab in the Computer Science Department
 - Under a grant from the National Science Foundation under the Research for Education for Undergraduates program
 - Worked under Dr. Lobo
- Teaching Assistant**, University of Central Florida Fall 2004
Orlando, FL
- Taught the intercede student for the Burnett Honors College Summer Institute
 - program was for high school students
 - instructed on basic computer science algorithms using Java
- Graduate Research Assistant**, University of Central Florida Aug 2007-present
Orlando, FL
- Working with the Engineering Technology Department at the College of Engineering and Computer Science
 - Developing a data sharing project between police agencies in the state of Florida
 - Manage other programmer in completing tasks
 - Installing software on remote computers over the internet
 - Scheduling and arranging appointments with clients
 - Developed interfaces from one database to another (sometimes on different platforms)