David Swiston

dswiston@uiuc.edu • http://dswiston.kordix.com
(630) 291-8384

Campus Address
310 S. State Street
Champaign, IL 61820

Permanent Address
239 N. Harvard Avenue
Villa Park, IL 60181

Objective Seeking full time employment to work in the electronic engineering field allowing my discipline, ingenuity, and ambition to be put to work in research and development.

Education

University of Illinois, Urbana-Champaign, IL
Bachelor of Science Degree, Electrical Engineering, Expected May 2006
Cumulative GPA: 3.8/4.0

Experience

March 2005 – Present, Coordinated Science Laboratory, University of Illinois
System and Network Administrator (20-40 hrs a week)

- Work in a team to manage more than 400 Linux, Solaris, and Windows research workstations for the Center for Reliable and High-Performance Computing
- Network administrator for entire Coordinated Science Laboratory
- Manage the building's primary servers

March 2001 - December 2004, Pioneer Garden & Feed, Villa Park, IL
Senior Sales Associate (20-30 hrs a week)

- Worked in a retail environment helping customers on the sales floor
- Additionally worked sales register, inventory, and stocking

May 2000 - September 2000, Liberty Suburban Chicago Newspapers, Oak Brook, IL
Legal and Classified Assistant (15 hrs a week)

- Responsible for taking clippings of ads and legal postings and mailing them with invoices

Achievements

Member of Eta Kappa Nu ECE Honors Society	2005 – Present
Nominated for ECE Alumni Association Scholarship	February 2004
Recipient of Accenture Outstanding Student Award in Computer Engineering	March 29th 2004
Founder and President of RSO The Folding Illini	2003 - 2004
Recipient of Calvin Niccols Scholarship	2003 - 2004

Laboratory Experience

- Created a real time analyzing and adjusting digital equalizer for audio applications
- Developed a feedback based system that reduced THD of a sub woofer by 50%
- Created an adaptive algorithm based on the Least Means Squared algorithm for noise cancellation and equalization applications
- Designed a high density wireless network with advanced security auditing for the Coordinated Science Laboratory
- Designed and created low-cost wireless interconnects for streaming digital signals

Coursework

Advanced ECE Coursework
Digital Signal Processing, Digital Signal Processing Lab, Advanced Digital Projects Lab, Image and Video Processing, Electronic Circuits, Electronic Circuits Laboratory, Solid State Electronic Devices, Power Circuits and Electromechanics, Biomedical Instrumentation, Renewable Energy Systems, Senior Design Project Lab, Engineering Ethics

Other Relevant Advanced Coursework:
Data Structures and Algorithms, Discrete Mathematics, Linear Transformations and Matrices, Introduction to Engineering Materials