

Nick Pegg

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Education

University of Missouri-Rolla

B.Sc. Computer Engineering

- Emphasis in Embedded Systems
- Minor in Mathematics

Aug 2005 - May 2010
GPA: 3.2

Experience

Nucor-Yamato Steel

IT Intern

- Web application development in C# and ASP.Net
- Created new web application authentication system
- Gained good familiarity with Cisco networking equipment
- Established network monitoring using Nagios
- Improved automation programming using Allen-Bradley ControlLogix PLCs

Blytheville, AR
May-December 2009

National Information Solutions Cooperative

Software Development Intern

- Worked in Engineering and Operations department
- Wrote subsystem to integrate vehicle tracking data into existing software
- Product feasibility research utilizing NASA World Wind SDK

Lake St. Louis, MO
June-August 2008

KMNR, Rolla 89.7FM

Chief Engineer

- Managing team of 3 other engineers
- On call 24/7 to ensure station's operation
- Effectively utilized \$15,000 budget
- Primarily responsible for station's FCC compliance
- Repair broken equipment as well as plan and install new solutions
- Perform preventative maintenance on multi-thousand dollar equipment
- Rewrote music database using Python and the Django framework
- Rewrote station website using Ruby on Rails

Rolla, MO
May 2008-May 2009

Skills

- Familiar with Python, C/C++, C#, Assembly, Java, and PHP programming languages
- Familiar with 8051, ARM7, and AVR microcontrollers for embedded systems
- Over 7 years experience with Linux/Unix system administration
- Web application development using Python/Django, ASP.Net, PHP, and Ruby on Rails
- Classroom and practical experience using Programmable Logic Controllers for factory automation
- Various personal projects including electronic door opener, CPU utilization meter, and wireless network survey robot

Memberships

- Member of IEEE since 2005
- Member of ACM since 2006
 - Special Projects Co-Chair of UMR-ACM 2006-2007