

Eric Agan
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Science & Engineering Research Awards:

2005 Northern Indiana Regional Science & Engineering Fair

Investigation Title: “Developing a Computer-Robotic Microscope System to Analyze and Identify Blood Cell Disorders”

- 1st Place
- South Bend Center for Medical Education Award
- US Air Force Certificate of Achievement for an Outstanding Project
- The International Society for Optical Engineering – Award for Best Project

2004 Indiana University Medical Center at Kokomo

Investigation Title: “Examining the Effects of Computer-Controlled Robotics on the Aluminum-Air Fuel Cell”

2004 Northern Indiana Regional Science & Engineering Fair

Investigation Title: “Examining the Effects of Computer-Controlled Robotics on the Aluminum-Air Fuel Cell”

Certifications:

Toshiba Authorized Technician

Xerox Certified Technician

Employment History:

May 2008 – January 2010; Electrical Engineer, Texmate Inc.

- Designed, prototyped panel meters for many applications.
- Developed standard operating procedures to streamline engineering process.
- Worked with assembly technicians to optimize the manufacturing process.

November 2005 – January 2007; Computer Technician, Computer Trailblazers

- Performed advanced circuit-level hardware diagnosis and repair.
- Developed MySQL database, PHP frontend for in-house job ticketing system
- Acted as network administrator using Windows Small Business Server 2003

July 2004 - August 2004; Research Student, University of Notre Dame

- Paid to perform my research investigation entitled Developing a Computer-Robotic Microscope System to Analyze and Identify Blood Cell Disorders.
- Automated the process of identifying diseases or medical problems in human blood.

Work Experience:

August 2003 - May 2005; Student, John Adams High School

Volunteer work repairing and setting up computers for the Science Research classes.

Technical:

Familiar with programming in many languages including: C/C++, C#, Java, ASM, PHP, Perl, and Verilog. Experienced with the Qt libraries for C++.

Self-taught in Hardware and Software Engineering; experienced in embedded / circuit-level design and development, as well as programming for various microcontrollers such as the 8051-series, Atmel AVR, PIC, ARM, and FPGA development.

Daily user of various Linux distributions, Windows, and Mac OS X. Familiar with many *nix Operating Systems and some bash scripting experience.

Experienced in systems administration for Linux- and Windows-based servers for small businesses.