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EDUCATION

- University of Michigan** – Computer Engineering 2007-present
▪ GPA 3.72 Expected graduation: May 2010
▪ Dean's List
- Purdue University** – Electrical and Computer Engineering 2006-2007

COURSES

- | <i>Completed</i> | <i>Current</i> |
|--|---------------------------------------|
| EECS 373 Design of Microprocessor based Systems | EECS 470 Computer Architecture |
| EECS 370 Intro to Computer Organization | |
| EECS 281 Data Structures and Algorithms | |
| EECS 451 DSP and analysis | |
| EECS 461 Embedded Control Systems | |
| EECS 482 Intro to Operating Systems | |

PROJECTS

- Internet Interrupter** (EECS 373 final project)
- Programmed an Ethernet driver and applications in PowerPC assembly and C
 - Intercepted and injected live HTTP requests
 - Capable of crippling a 100Mbps network of 10+ computers with a 25MHz MPC823

EXPERIENCE

- Network Engineer Intern** (Merit Networks)
- Modified Linux kernel to support new IPv4 sharing idea; Contributed to a white paper
 - Wrote a BGP looking-glass chat bot (Jabber and AIM)
- Radio Aurora Explorer (RAX) Satellite** (University of Michigan)
- Designed on-board PCB to process experiment data in orbit
 - Wrote low level drivers and interfaces for other on-board subsystems
- Summer Intern** (Neurogen Corporation)
- Designed and developed a web application to generate code for a Tecan Robot (automated pipette machine)
 - Upgraded the web interface from text-based to graphical, saving chemists time

COMPUTER LANGUAGES/SKILLS

- C, C++, ColdFusion, Java, Javascript, JSP, Matlab, Perl, PHP, PIC assembly, PowerPC Assembly, Python, VB, Verilog
- SQL (Oracle, MySQL), HTML, AJAX, CSS, Linux/Unix, TCP/IP, FPGA