

Travis R. Gault

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EDUCATION

8/00 - Present University of Louisville, Speed School of Engineering, Louisville, KY
Ph. D. in Electrical Engineering, expected December 2010
M. Eng. in Electrical Engineering, Magna Cum Laude
B.S. in Electrical Engineering, Magna Cum Laude
B.S. in Computer Engineering and Computer Science, Magna Cum Laude

AWARDS

UofL Student Life's Interfraternity Council
Outstanding Greek President Award, 2009
Triangle Fraternity National Special Acknowledgement for Outstanding Leadership during 2006-2007
Speed School's Bennett M. Brigman Award, 2008
University of Louisville Grosscurth Fellowship Recipient, 2007
ECE Department Outstanding Alumnus Award, 2006
Dean's List
Who's Who Among Students in American Universities and Colleges, 2001
Presidential Trustees Scholarship Recipient, 2000
Speed School Alumni Scholarship Recipient, 2000

HONOR SOCIETIES

Tau Beta Pi Engineering Honor Society
Eta Kappa Nu Electrical Engineering Honor Society President
Upsilon Pi Epsilon Honor Society for Computing and Information Disciplines
Omicron Delta Kappa National Leadership Honor Society
Order of Omega, Outstanding Greek Leadership Society
Golden Key International Honor Society

ACTIVITIES

8/09 - Present Graduate Student Council, ECE Department Representative
Student Activities Board Special Interest Committee, Grad. Student Rep.
12/07 - 11/08 Interfraternity Council, President and Constitution Chair
12/01 - 12/07 Triangle Fraternity, President two terms, Judicial Board, Treasurer,
House Manager, Alumni Organization Secretary
12/05 - 11/06 Omicron Delta Kappa, Vice President
2/06 - 4/06 Speed School Instruction and Learning Committee

SKILLS

Relevant Coursework:

Digital design, microcomputer design, computer design, passive and active network analysis, electronics, analog and digital signal processing

Computer Skills:

Operating Systems: MS Windows family, DOS, Mac OSX, Linux, Unix
Programming Languages: C, C++, Maple, MATLAB
Software: MS Office, Maple, MATLAB, Spice, OrCAD Family,
National Instruments LabWindows 6.0, Magic

Standard test equipment: DMM, Oscilloscope, Spectrum Analyzer, GPIB, Logic Analyzer, National Instruments PXI and devices, microprocessor/microcomputer software development emulators

EXPERIENCE

- 1/01 - Present **University of Louisville**, Louisville, KY
- Lecturer for EAC 104 totaling 14 classes spanning 3 years (10 “semesters”)
 - Graduate lab teaching assistant for ECE 516, Microcomputer Design Lab
 - Graduate teaching assistant lecturing for ECE 322, Introduction to ECE Computing Tools
 - Graduate teaching assistant lecturing for ECE 210, Logic Design
 - Speed School Supplemental Instruction Leader, for Differential Equations (EAC 205), and Maple (EAC 104)
 - Teaching and supplemental instruction responsibilities include:
 - Keeping current on the material
 - Providing detailed analysis in course assessment reports for ABET accreditation
- 1/01 - 5/03
- Speed School Cooperative Education Services, Work Study
 - Database design and management
 - Software testing for the development of the online résumé system
 - Project management and implementation for the program, program management, and curriculum enhancements
- 8/94 - Present **Self-Employed, Computer Consultant and Technician**, Campbellsville, Columbia, and Louisville, KY
- Diagnose and repair software and/or hardware related computer problems
 - Research current computer technology for client purchases
 - Locations primarily clients’ homes, but have also included positions at:
 - The Taylor County Board of Education
 - Huddleston and Loy, Attorneys at Law
- 1/02 - 5/02 **Motorola**, Seguin, TX, three co-op terms
- Designed software and hardware test interfaces for testing new products
 - Manually tested and analyzed failed production floor units
 - Designed a USB interface for serial communications
 - Programmed and validated master parts (Flash, EPROMs, etc...) before being used in production
- 9/02 - 12/02
- 5/03 - 8/03

- Created hardware and software specifications and documentation for current projects