

Ermanel O. Isidro

Education Bachelor's of Science University of Houston 1997-2001 Houston, TX
Major: Electrical Engineering, expected to graduate Fall 2001
GPA: 3.46 (4.0 scale) Hours completed: 108+ (senior)

Courses **Courses Completed:**

ECE 2300/2100- Circuit Analysis/Lab	ECE 2317- Electromagnetics 1
ECE 3455- Electronics/Lab	ECE 2331-Numerical Methods
ECE 3364- Circuits and Systems	ECE 3331-Engr. Programming
ECE 3457-Digital Electronics/Lab	ECE 3317- Electromagnetic Waves 2
ECE 3337-Analysis	ECE 3441- Digital Logic/Lab
MECE 3400- Mechanics	COSC 1304-C Programming

Courses In Progress:

ECE 4375 Automatic Controls System ECE 3366 Digital Signal Processing
ECE 4436 Microprocessor Systems/Lab ECE 5318 Antenna Engineering
ECE 4115 Control Systems Lab

Course Work 1997–Present University of Houston Houston, TX
Programming

- Extensive C language for VAX, Microsoft Visual C++, or Borlands C++
- Basic C++ language
- Mathematica for engineering-math based programs
- PSpice for Digital Electronic Circuits.
- Xilinx for Digital Logic Design.
- Fortran
- Electronics Workbench
- File Transfer Protocol - FTP for file transferring and receiving.
- Microsoft Office Suite – Word, Excel, Outlook.

Technical Skills

- Digital Electronics – constructed 4 words X 1 bit SRAM circuit using MOSFETS and TTL gates. MOSFETS, BJT, PSPICE, Electronics Work Bench.
- Lab Equipment/Skills- Oscilloscope, Function Generator, Lab View, Curve Tracer, Multimeter.
- Digital Logic - constructed a traffic light, TTL gates.
- Programming – designed a C program that converts English to morse language and vice verse.

Experience	August 1998	Banker's Trust	Houston, TX
	Office Clerk		
	<ul style="list-style-type: none"> Responsible for the distribution and reproduction of office documents. 		
Honors	1997–Present	General Mills, Co.	Houston, TX
	Kraft Foods Scholarship		
	<ul style="list-style-type: none"> Four-year full scholarship for any institution enrolled in. 		
	1997–Present	University of Houston	Houston, TX
	UH Alumni Scholarship		
	<ul style="list-style-type: none"> Four-year full scholarship from the University of Houston. 		
	Spring 1999; Fall 2000	National Dean's List	US-based
	National Dean's List		
	<ul style="list-style-type: none"> Awards college students ranked in the top 10% national average per semester. 		
	Fall 1997; Fall 1998; Fall 1999; Fall 2000	University of Houston, TX	
	Cullen College of Engineering Dean's List –(4 times)		
	<ul style="list-style-type: none"> Awarded to the engineering students who exceed a GPA of 3.5 with a minimum load of 15 hours. 		
Activities	Fall 2000-Present	University of Houston	Houston, TX
	Tau Beta Pi, Texas Epsilon Chapter		
	<ul style="list-style-type: none"> Engineering honors society for the University of Houston awarded to the top 1/8 of the engineering class at the junior level. 		
	1999-Present	University of Houston	Houston, TX
	Institute of Electrical and Electronic Engineers (IEEE)		
	<ul style="list-style-type: none"> A professional organization committed to electrical engineering students. 		
	1992-Present	Religious Organization	Sugar Land, TX
	Disciples of the Cross		
	<ul style="list-style-type: none"> A religious organization active throughout the Sugar Land community. 		