

Cynthia Maria Senior

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- OBJECTIVE** An electrical engineering position in the Telecommunications Industry
- SKILL** **Equipment and Design Tools:** HP Logic Analyzer, HP and Tektronix 2201 Oscilloscope, Micro-Cap III,
- HIGHLIGHTS** Spice Simulators, Modulation Domain Analyzer, Spectrum Analyzer, Transistor Curve Tracer, Intel SDK-85, Design Capture System, Leader LFG13005 Function Generator, XC4000 Field Programmable Gate Array
- Computer:** *Hardware:* IBM PC, HP 9000, Macintosh, VAX-8650 and 1170, SUN
Operating Systems: UNIX, VMS, OS-2
Languages: C, C+, C++, FORTRAN, CUPL, ABEL, Assembly, Pascal
Software: AutoCAD, DBASE IV, LOTUS 1-2-3, ME10, Pspice, MicrocapIV, Windows 98
- Additional:** Detail oriented, analytical, problem solver and team player
- EDUCATION** **Santa Clara University**, Santa Clara, CA
Bachelor of Science in Electrical Engineering, June 2006
Major GPA: 3.89 Overall GPA: 3.65
Honors and Awards: University Honors Program; Dean's List 19XX-CXX, Tau Beta Pi
- Durham University**, Durham, England
Studies Abroad Program, Santa Clara University, Spring Quarter 2004
- Related Coursework:** Electronic Circuits, Digital Logic Design, Semiconductor Theory, Electromagnetics, Linear Systems, Electric Circuits, Machine Organization and Programming, Introduction to Microprocessor Design and VLSI Design, Digital Signal Processing, Advanced Logic Design
- PROJECTS** *Senior Project:* Designed and developed a model Electrical Impedance Tomography system useful for noninvasive body imaging
- EXPERIENCE** **Varian Associates**, Palo Alto, CA *Summer 20xx-Present*
Co-op Engineer
- Participate in on-going design of radiation therapy machine with goal of shortened treatment
 - Research, build, and evaluate logic circuits; perform test to assist project manager in improving original prototype designs
 - Prepare documents, review schematics, and provide support for Drafting Department to enable managers to make more informed decisions
- Fry's Electronics**, Campbell, CA *Fall 20xx-Present*
Senior Technician
- Supervise system integration: provide quality control and on-site service with a high level of customer service
 - Repair and diagnose IBM and compatibles, Macintosh computers, and laser printers
 - Perform hardware (I/O) and software installation and setup
 - Diagnose MF, RLL, ESDI, and SCSI interfaced controllers
- Santa Clara University**, Santa Clara, CA *2003-2004*
Lab Assistant, Academic Computing Center
- Provided services to 200+ daily users with hardware and software needs
 - Maintained hardware and software; maintained Epson and HP Laserjet IIIsi printers
- ACTIVITIES** *Treasurer:* National Society of Black Engineers; *President:* Tau Beta Pi