

# Elias Azzi

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## Campus:

219 Cance, 191 Fearing Street  
Amherst, MA 01003

## Home:

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## EXPERIENCE

### **3M Touch Systems**, Methuen, MA

Summer 2002

Electrical Engineering Coop

- \* Performed qualification activities on various prototypes such as touch screens, controllers, and cables
- \* Designed and manufactured various test equipment for individual as well as integrated use
- \* Debugged controller PC boards
- \* Monitored automated test equipment such as Asymtek calibrator, Instron load machine and Flex machine
- \* Ran chemical process experiments on touch screens, controllers and cables using environmental test chambers
- \* Wrote test plans, procedures and reports for various capacitive and resistive touch screen prototypes
- \* Performed hardware and system design verification testing for functional compliance, performance reliability, usability, operation under stress, and environmental limits – including product firmware and interface verification testing.
- \* Responsible for test routines, test schedules equipment characterization, first level failure analysis, collecting and processing test data and reporting.
- \* Operated and maintained lab environmental electrical test systems.
- \* Worked independently and with development engineers / technicians.

### **GEX Inc**, Atkinson, NH

Summer 2004

Development Team

- \* Implemented YAWC and PHRASE in order to develop and maintain overseas online learning material.
- \* Worked rigorously in order to obtain satisfactory deadline conditions.
- \* Developed and maintained WebCT and Blackboard websites.
- \* Integrated and troubleshoot YAWC and PHRASE files for use in WebCT and Blackboard.

## EDUCATION

### **UNIVERSITY OF MASSACHUSETTS AMHERST**, Amherst, MA

May 2005

Candidate for Bachelor of Science in Electrical Engineering.

- \* Relevant Course Work: Microwave Engineering; Communications & Signal Processing; Fields and Waves I & II; Physics III; Signals and Systems; Problem Solving with Computers using Data Structures and Algorithms (Java Programming, Linux, UNIX based Servers); Digital Systems Lab; Calculus III; Differential Equations; Linear Algebra
- \* Activities and Achievements: Project Manager for Senior Design, House Council President, member of IEEE, participated in intramural football league.

## SKILLS

Language:

ARABIC

Programming Languages:

Pic Flash, JAVA, MS Visual Basic, HTML, YAWC, PHRASE, and XML.

OS / Environments:

MS Windows, Linux, & UNIX

Miscellaneous Computer:

PC troubleshooting, assembly, upgrade & repairs; Web Site maintenance, design & development.

Applications:

PSpice, Electronic Workbench, Circuit Maker, Matlab, MS Office, Blackboard, WebCT