FRANK J LARITZ II

CITIZEN OF THE UNITED STATES OF AMERICA

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OBJECTIVE

- Advance my electrical engineering knowledge by researching, designing, and developing state of the art electrical systems.
- Work in a positive and challenging environment.
- Become a contributing team member by utilizing my education and organizational skills.

EDUCATION

University of Michigan, Ann Arbor, Michigan — September 2008 – Present

College of Engineering

Major: Electrical Engineering
Electrical Engineering GPA: 3.47/4.0
Expected graduation: May 2012
Dean's List (GPA 3.5 or Higher): Fall 2009, Winter 2011

EECS Coursework:

- EECS 215 – Intro to Electronic Circuits
- EECS 216 – Intro to Signals and Systems
- EECS 230 – Electromagnetics I
- EECS 270 – Intro to Logic Design
- EECS 280 – Programming and Data Structures
- EECS 311 – Electronic Circuits
- EECS 320 – Intro to Semiconductor Devices
- EECS 330 – Electromagnetics II
- EECS 334 – Principles of Optics
- EECS 370 – Intro to Computer Organization *
- EECS 398 – Intro to Computer Security
- EECS 401 – Probabilistic Methods in Engineering
- EECS 451 – Digital Signal Processing and Analysis
- EECS 452 – Digital Signal Processing Lab *
- EECS 455 – Digital Communication Systems
- EECS 460 – Control Systems Analysis and Design
- EECS 461 – Embedded Control Systems

* Currently Enrolled

WORK EXPERIENCE

General Dynamics: Electric Boat — June 2011– August 2011

- Performed a failure analysis for a submarine propulsion monitoring and control network.
- Developed control-failure-check-algorithms for a submarine propulsion monitoring and control network.

Freelance Embedded Programming — June 2011 – August 2011

- Programmed the ATtiny2313 microcontroller in C to control a Persistence-Of-Vision product, which is set to release commercially within the next year.

TECHNICAL EXPERTISE

Operating Systems:	Windows, Linux, Macintosh
Programming Languages:	Assembly, C, C++, MATLAB, Verilog
CAD Programs:	ADS, Cadence, HFSS, Quartus
Laboratory Equipment:	Altera DE2 Dev Board, Function Generator, Oscilloscope, Network Analyzer
Microcontrollers:	TI C5515 eZDSP, Freescale MPC5553, Atmel ATtiny2313

ADDITIONAL

CSE Scholars Vice President

- Organized and oversaw the EECS Tutoring Program (a free tutoring program offered to students in lower level EECS courses)