Nicholas Fava

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OBJECTIVE

To obtain a full-time Electrical Engineering position that will allow me to develop my engineering and personal skills while beginning to establish a plan for my career path.

EDUCATION

University of Michigan, Ann Arbor, MI
Bachelor of Science in Engineering- Electrical Engineering, December 2015
- GPA: 3.93/4.00
- Dean's List and University Honors all seven undergraduate semesters
- University of Michigan William J. Branstrom Freshman Prize recipient
- Two-time University of Michigan James B. Angell Scholar
- Three-time EECS Scholar Award recipient
- Relevant coursework: Analog Circuits, Control Systems Analysis and Design, Digital Signal Processing, Embedded Control Systems, Programming and Data Structures

University of Michigan, Ann Arbor, MI
Master of Science in Engineering- Electrical Engineering: Systems, May 2017 (expected)
- Major GPA: 3.70/4.00
- Focus in Control Systems
- Relevant coursework: Linear Systems Theory, Probabilistic Methods and Random Processes

EMPLOYMENT HISTORY

Ford Motor Company, Dearborn, MI
eDrive Pre-Program Applications Intern, September 2016 – present
- Drafting and filing patent applications by documenting and creating diagrams for new inventions
- Supporting the development of future vehicle programs

Texas Instruments Inc., Dallas, TX
Test Engineering Intern, May – August 2016
- Developed test plan for voltage translator chip
- Wrote C++ program to test device parameters at different temperatures using automated testing equipment
- Investigated unexpected device behavior on test bench equipment
- Documented results and communicated findings to group members

Ford Motor Company, Dearborn, MI
eDrive Electric Machine and Power Electronics Controls Intern, May – August 2014 & 2015
- Designed, assembled, and tested interface printed circuit board
- Analyzed requirement database software and instructed group members on its usage
- Conducted electric motor testing on dynamometer and presented findings
- Developed and documented Matlab tools and graphical user interfaces for data post-processing

Triumph Gear Systems, Macomb, MI
Process Engineering Intern, May – August 2013
- Designed and troubleshot processes for the manufacturing and repair of aerospace gears and gear boxes
- Developed repair processes for parts damaged in manufacturing
- Saved time and money in multiple parts' manufacturing processes by identifying inspections that could be done in-house instead of being outsourced

ADDITIONAL INFO

- Eta Kappa Nu, Beta Epsilon Chapter member (Engineering Honor Society)
- Proofread new edition of Signals & Systems textbook for a former professor
- Experience using AutoCAD, C, C++, Matlab, Multisim, Simulink, Verilog, and Visual Basic
- Fluent in English and able to read, write, and speak conversational Spanish