

Arunas Janulevicius

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OBJECTIVE

Seeking a professional full-time position in the field of mechanical engineering in design, testing, or manufacturing area

EDUCATION

Masters of Science in Mechanical Engineering

University of Florida, Gainesville, FL
GPA: 3.59/4.00

May 2012

Bachelor of Science in Mechanical Engineering

University of Florida, Gainesville, FL
Major GPA: 3.41/4.00

August 2010

EXPERIENCE

(In School Experience) Integrated Product & Process Design (IPPD), Progress Energy

September 2008 – May 2009

Engineering Student Team Leader, January 2009 – February 2009

Gainesville, FL

- Served as a group leader of a team of 6 people and presented results to the experts in a field
- Conducted a primary information search, interpretation and tabulation of data
- Familiarized with ASTM testing procedures, tested samples by using ASTM standards, and analyzed data
- Provided conceptual skid designs and critiqued other members' proposed designs
- Took measurements, created Pro/E drawings, analyzed, and re-designed atomization nozzle
- Participated in report drafting, project timeline creation, deadline estimation, and cost analysis

TECHNICAL KNOWLEDGE & PROJECTS

Stress Analysis, Mechanical Engineering Department

January 2012 – May 2012

Gainesville, FL

- Studied currently used direct stress measurement techniques (non-FEA)
- Surveyed technical literature and presented nano-indentation method to measure material mechanical properties
- Applied strain gages, measured pressure in soda can, used statistical tools to analyze data, and compared results to theory

Numerical Analysis, Mechanical Engineering Department

January 2011 – December 2011

Gainesville, FL

- Used different Numerical Methods (NM) theories to write Matlab codes to evaluate functions
- Used different Finite Element Analysis (FEA) theories to write Matlab codes to evaluate mechanical properties of systems
- Searched and sourced scientific journal papers, analyzed sources, and used analysis results for Molecular Dynamics (MD) simulation (LAMMPS) to simulate nano-indentation process
- Presented results to the experts in a field

Manufacturing, Mechanical Engineering Department

January 2011 – December 2011

Gainesville, FL

- Studied a variety of non-traditional and traditional manufacturing techniques
- Explored techniques' limitations, advantages, and industry applications
- Surveyed technical literature, drafted reports, and presented results to the experts in a field

(Re)/Design of Robot, Heat Exchanger, Pencil Sharpener, Mechanical Engineering Department

January 2007 – May 2010

Gainesville, FL

- In groups of 3 or 4 submitted and reviewed conceptual designs with given physical, economical, and time constraints
- Found critical components, proposed and evaluated different improvement designs, and supplied costs estimates
- Cut parts for a robot by using traditional manufacturing techniques (lathes and mills), assembled, and tested the robot
- Participated in report drafting, project timeline creation, deadline estimation, cost analysis, and presentation of results

AWARDS, AFFILIATIONS & ACHIEVEMENTS

Member, Honors Society

August 2003 – May 2004

Member, International Honors Society: Phi Theta Kappa

January 2006 – December 2006

- Attended meetings, participated in honors topic seminars and took part in community service activities
- Won first place for paper written based on one of the honors seminar topics: "Gender and Power in Relationships."

GRE (Graduate Record Examination) Test: Quantitative - 800/800 (100%) from single try.

October 2009

SKILLS

Computer: Tex, HTML, Microsoft Office, Pro/e, NI ELVIS, C++, Matlab(Simulink), LabView, LAMMPS