

SUMMARY

Goal: An internship position within the engineering department of an organization so I can gain practical experience and apply knowledge and skills gained from college coursework.

Technical Skills: AutoCAD, MATLAB/Simulink, Engineering Equation Solver (EES); Microsoft Office, BASIC Programming; Machining (Mill, Lathe, Basic hand tools, sheet metal fabrication).

EDUCATION

Anne Arundel Community College, Arnold, MD

AS.EGR.EGR Engineering Transfer Degree – Spring 2014

GPA: 3.81/4.0 Deans List

Relevant Coursework:

Introduction to Engineering Design, Statics, Dynamics, Mechanics of Material, Calculus and Analytic Geometry, Differential Equations, General Physics, and General Chemistry.

SUMMARY OF KNOWLEDGE AND SKILLS

- Create an engineering drawing using a computer aided drafting program. Able to write and execute a computer program in Matlab to solve an engineering problem. Research, document and present results of a technical project.
- Perform calculations on objects that are in equilibrium and are subject to both forces and applied torques. Able to express motion of a rigid body through linear/angular position, linear/angular velocity, and linear/angular acceleration in vector form as well as in several different two and three dimensional coordinate systems.
- Understand the relation between stress and strain for a wider variety of conditions and materials. Able to find the required dimensions of a material to carry a desired load subject to stated specifications of stress and deflection.
- Able to solve numeric problems using differential and multiple-integral calculus. Also able to solve problems such as mass-spring damper systems, RL circuits, and Growth/Decay situations using first and higher order differential equations.
- Understand the concepts of thermodynamics and able to utilize this knowledge in the application of heat transfer in heat engines, heat pumps and refrigerators. Read and interpret blueprints and project plans. Knowledge of construction processes and multiple stages of building construction.
- Troubleshoot and solve complex problems. Strong work ethic gained through daily, strenuous manual labor.
- Team leader with ability to engage and create strong teams to meet objectives.

WORK HISTORY

Manager/Co-Owner, Arundel Landscape, Inc., Pasadena, MD

2011-Present

Increase client base by 25% to a current client base of 50 and secured customer satisfaction through high quality performance, honesty, reliability, and professionalism. Gained experience in business accounting and bookkeeping. Successfully led a push for business advertisement via business cards, door hangers and online advertisement.

Electrician, Arundel Electrical Service, Arnold, MD

Summer 2010

Under direction of Master Electrician analyzed blueprints and project schematics, installed low-voltage wiring in commercial buildings.

Carpenter, ABB Construction, Annapolis, MD

Summer 2009

Acquired experience in residential construction. Obtained hands-on experience in laying foundations, framing, and drywall through multiple residential projects.

ACTIVITIES

- Member of Phi Theta Kappa, Member of AACC Honors • Member of AACC Engineering Scholars Program
- Serve as active group leader for local outreach and band member with MKK Ministries

INTERNATIONAL EXPERIENCE

Volunteer Group Leader, Anne Arundel Ministries to the country of Peru

2010

- Successfully led a team in the restoration of a remote school in the jungles outside the city of Lima.