

James R. Tunningley

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12540 Edgewater Dr. #211
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Objective To qualify for a Masters in Business Administration or Masters in Engineering Management degree, allowing me further my education and career.

Education **Case Western Reserve University (CWRU)** Cleveland, OH
Bachelors of Science, Mechanical Engineering May 2010

Relevant Coursework

Computer-Aided Manufacturing, Senior Design, Design of Mechanical Elements, Engineering Design, Mechanical Manufacturing, Design of Fluid and Thermal Elements, Mechanics of Machinery

Skills Solid Edge ST5, FEMap SolidWorks, MasterCam X2, ProEngineer Wildfire, Visual, DIALux 4, Microsoft Office, Comprehension, Technical Writing, Technical Interpretation
Familiar with: Conversational and G-code programming, Milltronics CNC Lathes and Mills, Mathematica, Matlab, Java, Eclipse Environment, Linux, Adobe Creative Suite
Manual Drafting and basic machining experience with lathes, mills, grinders, and presses

Experience

The Ridge Tool Company (RIDGID)

Product Development Engineer

- Responsible for overseeing the development of a product from conception of the initial idea(s), to the final large scale manufacturing process.
- Conceptualized creative solutions to a variety of problems faced by the end user; ranging from clearly expressed needs, to issues that the end user may be unaware of.
- Contributed to and actively participated on a project team of cross-professional members who's goal it was to produce a product in a timely manner
- Continually practice moral and business ethics by ensuring that all appropriate testing for a product is performed; ensuring customer safety.

Lighting Services Inc.

Design Engineer

Twinsburg, OH
June 2011-Present

- Interpreted project requirements and goals, through direct contact with the customer, ESSCOs and a network of sales representatives.
- Prepared proposals for sales representatives highlighting energy conservation, payback on investment, and major lighting design changes.
- Implemented and oversaw the adaption of DIALux 4, to allow for more complicated design features, as well as detailed renderings and false color renderings.

CWRU Engineering Services Fabrication Center

Assistant Designer

Cleveland, OH
July 2007- December 2008

- Successfully interpret customer project requirements; utilizing communication and critical thinking skills in order to ensure customer satisfaction
- Effectively exercise technical skills and knowledge through modeling customers projects with SolidWorks; completing projects by importing digital models to MasterCam

Leadership

American Leadership Academy

Cabo San Lucas, Mexico

- Selected from a competitive pool of applicants to attend a career and fraternity symposium consisting of speeches and experiential teaching from world business leaders

Phi Kappa Psi Fraternity

CWRU, Cleveland, OH

Alumni Membership and Recruitment Advisor, Treasurer, Recruitment Chair, Chaplain

- Managed \$120,000 annual budget; performed accounting duties while tracking expenditures, collecting dues, paying bills, and approving fraternity purchases
- Recruited 12 first year students by successfully organizing events, and organizing and motivating brothers through interpersonal communication and relationship building
- Represented the moral compass of the chapter, and was a non-judgmental confidential resource