Kelsey S. McManus

US Citizen

Objective

To obtain a full time position in the field of Sustainable and Environmental Engineering. Available June 15th 2015.

Education

Rochester Institute of Technology (RIT), Rochester, NY
BS Industrial and System Engineering; Expected May 2015
MEng Sustainable Engineering; Expected May 2015
GPA: 3.24/4.00 | Dean's List: Fall 2010 and Spring 2014
Senior Design Project: Rochester Roots High Tunnel (January 2014- December 2014)
Worked with a non-for-profit, Rochester Roots, to retrofit a high tunnel in the city of Rochester so that it could sustain an adequate growing environment for vegetables and be sturdy enough to prevent child vandalism. Managed project planning and research. Built scaled down model to test components and successfully proved it would sustain an adequate growing environment.
Graduate Capstone: Centralized vs. Distributed Titanium Manufacturing (January 2015- May 2015)
Conducting a comparative Life Cycle Assessment (LCA) on the environmental impacts of traditional manufacturing (centralized) and electron beam manufacturing (distributed) of titanium parts for the aerospace industry. The team consists of four Sustainable Engineering masters students. Currently Ongoing

Experience

GE Aviation, Lynn, MA   **June 2014 - Aug 2014**
Supply Chain Co-op
Member of the Turning Parts Manufacturing Operations (TPMO) for the T700 helicopter engine. Managed the supply chain of gages and overhauls. Created an excel tool to make tracking of overhauls and setting priorities easier.

Wegmans Food Markets, Rochester, NY   **March 2012 – Aug 2013**
Store and Facilities Maintenance Co-op
Worked on multiple multidisciplinary inventory management projects including resource allocation, stockroom reset timelines, data accuracy, and writing a business plan to justify creating a centralized stockroom.

GE Aviation, Erlanger, KY   **June 2012 – Aug 2012**
Engineering Co-op
Member of the inventory team at the GE Aviation Engine Service's parts warehouse in charge of aged in-transits and aged put-aways. Interacted with customers to help locate and receive shipped parts quickly and efficiently. Collected and track data to help reduce the amount of aged in-transits and put-aways. Reduced aged in-transits by 70% and aged put-aways by 80% by working with customers and material handlers to complete tasks more efficiently.

RIT Co-op and Career Services, Rochester, NY   **June 2011 – Present**
Student Receptionist
Directing students, alumni, and employers to coordinator/ staff to best help their needs

Skills & Activities

Software: Microsoft Word, Excel, PowerPoint, Access, Project, Inventor, Visio, Visual Studios, AMPL, Minitab, Arena Simulation, AutoCad, SimaPro, R Studio, EIOLCA, and CES EduPack.
Certification: OSHA 10 Hour | **Languages**: Basic ASL, Basic German | **Programming:** C++, R
Activities: Captain of Varsity Softball, Assistant Coach of RIT Softball Team, WE@RIT, Society of Women Engineers (SWE), Institute of Industrial Engineers (IIE), Student Athletic Advisory Committee (SAAC), Secretary for Tigers 4 Tigers at RIT.