

JACOB MERSON

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Education

- **Rensselaer Polytechnic Institute**—Troy, NY
Majoring in Mechanical Engineering GPA: 3.66 (overall)
 - Projected Graduation Date: May, 2015

Relevant Experience

- **Undergraduate Research**—RPI, Troy, NY
Research Assistant: 2011-present
 - Working with analyzing micro machining of bone with finite element analysis, and milling experiments for orthopedic surgical applications. (Advisor: Johnson Samuel)
 - Develop mechanical test beds for RPI computer science robotics lab. (Advisor: Jeff Trinkle)
- **Boy Scouts of America**—Falmouth, ME
Eagle Scout
 - For my Eagle Scout Project I refurbished old unused bikes so they could be donated to a group that provides transportation to an urban community garden group and gives bikes to at risk youth.
- **DeLorme**—Yarmouth, ME
Technology Intern: 2011
 - Developed a remote embedded system to track traffic. This system interfaced with the DeLorme inReachTM satellite communicator and DeLorme XMap GIS software.
- **RPI Professional Leadership Program**—Troy, NY
 - Full year training program for management and leadership skills.
- **Alpha Phi Omega: Community Service Fraternity**—Troy, NY
 - I organize tutoring of middle and high school students at Hope 7 Community Center.
- **Pi Tau Sigma: Mechanical engineering honors society**—Troy, NY
- **Phi Gamma Delta: Fraternity**—Troy, NY

Relevant Course Work

- **Introduction to Finite Element Analysis**—Troy, NY *Fall, 2013*
- **Micro-Machining of Bone**—Troy, NY *Fall, 2013*

Skills

- Microsoft Office Suite, Python, C, Matlab, NX, Solid Edge, Solid Works, Abaqus, Hypermesh

Awards

- Dean's List: (Fall 2011-present)
- Rensselaer Polytechnic Founders Award of Excellence (2013)