

# JACOB MERSON

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## Education

- **Rensselaer Polytechnic Institute**—Troy, NY  
*Majoring in Mechanical Engineering GPA: 3.60 (overall)*
  - Projected Graduation Date: May, 2015

## Experience

- **Undergraduate Research**—Troy, NY  
*Research Assistant: 2011–present*
  - Analyze micro machining of bone with finite element analysis, and milling experiments for orthopedic surgical applications. (Advisor: Johnson Samuel)
  - Developed mechanical test beds for RPI computer science robotics lab. (Advisor: Jeff Trinkle)
- **DeLorme**—Yarmouth, ME  
*Technology Intern: 2011*
  - Developed a remote embedded system to track traffic. This system interfaced with the DeLorme inReach™ satellite communicator and DeLorme XMap GIS software.
- **Boy Scouts of America**—Falmouth, ME  
*Eagle Scout*
  - Refurbished old unused bikes for donation to a local charity.
- **RPI Professional Leadership Program**—Troy, NY
  - Full year training program for management and leadership skills.
- **Alpha Phi Omega: Community Service Fraternity**—Troy, NY
  - Organize tutoring of middle and high school students at Hope 7 Community Center.
- **Phi Gamma Delta: Fraternity**—Troy, NY  
*Vice President of Community Service: 2014–present*
- **Pi Tau Sigma: Mechanical Engineering Honors Society**—Troy, NY

## Relevant Course Work

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

## Software

- Microsoft Office Suite, Python, C, C++, Matlab, NX, Solid Edge, Solid Works, Abaqus, Hypermesh, Linux, OSX, Windows

## Awards

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