

Jacob Liberatore

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Education

Rensselaer Polytechnic Institute (RPI)

May 2015

B.S. Mechanical Engineering
GPA 3.1

Experience

Engineering Intern Zak Incorporated

July 2013 - Present

- Used SolidWorks to design shipping crates for large GE turbine parts
- Produced data sheets from CAD drawings for quality control
- Analyzed machining labor hour variance to determine efficiency trends

Laborer B&B Construction

June 2012 - August 2012

- Poured concrete floors and foundations for residential buildings

Relevant Coursework

Manufacturing Processes & Systems

- Performed extensive research on various manufacturing processes
- Created a technical data package for the manufacturing of a complex snow globe and pitched the product to a panel of sponsors

General Manufacturing Processes

- Studied all major types of manufacturing
- Performed research on data collection for manufacturing processes

Computer Aided Machining

- Studied aspects of machining, including speeds and feeds, tool types, and machine types
- Wrote code for the machining of small aluminum parts using Haas machines, utilizing Mastercam

Additional Courses

Manufacturing Processes & Systems Lab
Combustion Systems

Notable Projects

Formula SAE, Rensselaer Motorsport

August 2012 - May 2014

- Engine, Drivetrain, and Electrical Project Manager
- Designed and built fuel subsystem for the 2013 racecar
- Machined and fabricated various parts for the car

Skills

NX Cad	SolidWorks	MatLab	Mastercam
VISUAL Enterprise	Microsoft Office, including Excel	Windows 7	

Activities and Awards

Steward, Chi Phi Fraternity, Theta Chapter	2014 - Present
Killington Mountain Campus Representative	2013 - Present
Dean's List, RPI	2011 - Present
Brother of the Year, Chi Phi Fraternity, Theta Chapter	2013 - 2014
Star Scout Rank of the Boy Scouts of America	2005 - 2007