

Jacob Benjamin Young

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Education

The Ohio State University , Department of Mechanical and Aerospace Engineering <i>Bachelor of Science in Mechanical Engineering</i> Major: Mechanical Engineering National Buckeye Scholar	Columbus, OH December 2015 GPA: 3.3
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Engineering and Leadership Experience

Shremshock Architects & Engineers <i>Mechanical Engineering Intern</i>	New Albany, OH June - August 2015
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- Worked under Licensed Professional Engineers designing and sizing HVAC systems for retail spaces for several clients across the country.
- Coordinated with in-house architects and engineers in a team oriented environment to meet project deadlines.
- Assisted electrical and mechanical engineers in meeting client, company, landlord, and state requirements on all projects.
- Attended meetings to gain a comprehensive understanding of the company's current and future vision. In addition, attended and participated in team engineering meetings related to current and future projects.

Geauga Mechanical <i>HVAC Engineer Intern</i>	Chardon, OH June – August 2014
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- Supported Licensed Professional Engineer in designing and implementing HVAC systems for commercial companies.
- Assisted with planning and designing for the Flats East Bank project located in downtown Cleveland. Participated in construction progress meetings, reviewing plans, conducted site surveys, and interacted with several other companies on site.
- Managed and designed the addition of a new HVAC system for the Geauga County Recorder's Office.
- Attended TRANE events with industry professionals to learn about new HVAC technology.

PSI Plumbing Inc. <i>Mechanical Engineer Intern</i>	Little Falls, NJ May – August 2013
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- Supported Project Manager with planning and overseeing plumbing projects in New York City.
- Assisted Contract Manager in forming and processing American Institute of Architecture contracts in addition to organizing and creating invoices for billing process.
- Conducted fire pump testing to ensure proper air and water pressure for a sprinkler system in a high rise building.

Skills and Relevant Coursework

Mechanical Engineering 4900 Senior Capstone Project	January 2015 – May 2015
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- Designed, built, and tested a robotic fish with the ability to swim and control its buoyancy
- Coded electronics in fish for swimming and buoyancy functions and assisted team members in building of body and tail of fish

Mechanical Engineering 3870 Measurements and Data Analysis	August 2014 – December 2014
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- Designed and performed a team vehicle vibration project to measure cabin noise in cars over several road conditions; culminating in a professional presentation to the entire class.
- Completed lab experiments to gain a better understanding of measuring mechanical systems.

Mechanical Engineering 2900 Intro to Design in ME	August 2013 – December 2013
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- Worked in the Ohio State machine shop machining a piston and cylinder for an air motor to precise measurements. With team members an air motor was assembled and tested for efficiency.
- Gained knowledge of proper machining techniques, reading sketches, and understanding of each machines function.

Computers Skills

- SolidWorks, AutoDesk Inventor, MATLAB, Java, LabVIEW, Microsoft Office, TRACE, HAP