

Logan Amber Visser

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Current WPI student seeking summer internship in a challenging environment in preparation for a future engineering career.

EDUCATION

Worcester Polytechnic Institute
Major in Mechanical Engineering
Minor in Manufacturing Engineering
Class of 2018 • GPA 3.71

Carousel Covenant Academy Homeschool
Earned dual credits through
3 local community colleges.
Graduated June 2014 • GPA 3.97

HONORS & AWARDS

WPI Dean's List

Spring 2015, Spring 2016, and Fall 2016

Celebrates exceptional academic work.

WPI Charles O. Thompson Award, 2014-15

Recognizes outstanding performance and academic success by first-year WPI students.

GE Women's Network Scholar, 2014-present

Awarded through the Society of Women Engineers, this scholarship honors women engineering students for exceptional extracurricular leadership roles, discipline-related activities, and presentation skills.

SanDisk Scholar, 2014-present

Supports the educational goals of students in pursuit of careers in engineering and computer science.

Elks Most Valuable Scholar Award, 2014-present

National scholarship honoring high school seniors who demonstrate outstanding academic achievements and leadership ability, with an emphasis on community service.

Governor's Outstanding Youth Volunteer Award, 2014

Recognizes important volunteer contributions and a growing lifelong passion for public service. Awarded for work with SwapShop (see *Project Work*).

NFIB (National Federation of Independent Business) Young Entrepreneur Award Runner-up, 2014

Recognizes entrepreneurial spirit & initiative.

Internships & Work Experience

Silverside Detectors. Worked side-by-side with the company's manufacturing engineer to build 7 extremely accurate lithium nuclear detectors. Helped refine assembly tolerances to be more time- and cost-efficient, without compromising product performance. Summer 2015.

WPI, Student Assistant in the Department of Financial Aid. Help organize, file, and fact-check financial aid forms, along with other general office work. Jan 2015-present.

Screenprinting. Designing and hand-screenprinting bulk t-shirt orders for local summer sports camps. Includes designing custom graphics and customer service, as well as manual work (burning screens, printing the shirts). 2014-present

Lockheed Martin. Worked in TTWCS (Tactical Tomahawk Weapon Control System), a department that develops code for the navy's GPS-guided missiles. Made 3D AutoCAD models of server racks and computer systems, found and notated discrepancies in system requirements spreadsheets, and updated TTWCS lab floor plans. Summer 2013.

DiscoverSea Shipwreck Museum. Designed and hand-produced, in bulk quantities, leather coin cases to meet the specifications of museum owner. 2013-2016.

Project Work

Mechanical Design. Conducting product research, using structured design methods to evaluate product designs, producing a product prototype, and communicating design information for an educational toy for children with mental disabilities. 2017-present.

Women in Wine. Over an 8-week period in South Africa, my team and I worked with Women in Wine, a small South African wine brand. We conducted in-depth market research and extensive interviews to evaluate consumer perceptions and assess the best options for Women in Wine to grow in both South Africa and the US. Fall 2016.

SwapShop. Founding, marketing, coding, web designing, and community outreach for SwapShop, a safe trading website for kids to swap their original art cards with others around the world. Pre-registration site open soon! See www.facebook.com/OurSwapShop for more info about my start-up project. 2012-present.

Leadership & Extracurricular Activities

Christian Bible Fellowship. Active member of CBF. Leadership team, Bible study leader, and member of a 4-person team that plans semi-annual retreats for 50+ students, alumni, and mentors. Fall 2014-present.

Alpha Phi Omega-Omicron Iota. Active brother of the WPI chapter of the APO national co-ed service fraternity. Fall 2015-present.

Navigators. Participated in Inside Boston. Lived in community with a large, diverse group of Christian college students. Together we developed genuine friendships with each other while growing in our faith in God and serving the city of Boston. Summer 2015.

New Vision Renewable Energy. Volunteered in WV over spring break. Made solar lights for developing countries & supported the community through renewable energy. March 2016.

Praxis Academy. An immersive, week-long event to raise up a new generation of entrepreneurs to create, shape, and impact our culture. August 2015.

FIRST Robotics Challenge • DuPont-sponsored team Miracle Workerz #365

Dean's List Finalist. Awarded to only 2 in every 1,000 FRC students, this distinction recognizes technical expertise and passion, leadership and motivation skills, entrepreneurship, creativity, and community outreach. April 2013.

Welding team captain. Led and organized welding subteam of 5 students. 2012-2014.

Mechanical team member. Designed, constructed, and tested numerous components, including a climber to enable 120-lb. robot to scale a 7-ft pyramid. 2011-2014.

Pit crew. Repaired the robot after every round of competition. 2012-2014.

Student council. Organized fundraisers, scheduled outreach events, and assisted in writing a team business plan. 2011-2014.

Professional Organizations

Society of Women Engineers (SWE). Member of WPI's student chapter. Fall 2014-present.

Related Coursework

Manufacturing Science, Prototyping, & Computer-Controlled Machining; Kinematics of Mechanisms; Assessing Entrepreneurial Opportunities; Intro to Engineering Design; Materials Processing*; Industrial Robotics*; Thermofluid Application & Design*

*Will be completed in May 2017

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