



Brendan Boyle

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Academics

High school: Mounds Park Academy, graduating class of 2014

- ▶ Honor Roll recipient for all upper school years
- ▶ Honors track in math and science. I have taken AP Calculus, Honors Pre-Calculus, Honors Physics, Honors Chemistry, Honors Biology
- ▶ Founded and created the Mounds Park Academy Digital Fabrication Studio
 - ▶ Raised over \$36,000 to purchase initial equipment
 - ▶ Currently working with faculty and staff to integrate STEM themes and skills into K-12 curriculum and to develop engaging models to encourage new technology adoption

Job Experience

IT MANAGER, ERICKSON MARINE; HASTINGS, MN – 2013-PRESENT

I maintain a fleet of over 15 Windows machines at one of Minnesota's largest boat dealerships. I use and am well versed in the Windows Server 2012 R2 platform, as well as most common tools for network and security management. I created and maintain the dealership's Bring Your Own Device (BYOD) program, and I am working to expand online sales and discovery.

LEAD DESIGNER & FOUNDER, DBZ TECHNOLOGY; WOODBURY, MN – 2008-PRESENT

I am the founder and lead designer for a technology consulting and design firm. Since 2008, I have designed websites, built computers, and started brands for Twin Cities businesses and nonprofit organizations, such as SPLAT Charity.

WEBSITE CONSULTANT, SIMDEX; MINNEAPOLIS, MN – 2013-PRESENT

I am a contract developer for SimDex, a Minneapolis based website design firm with over 250 clients. My current expertise is in the Wordpress CMS, common web standards such as HTML 5, CSS 3, JavaScript, jQuery, and PHP.

SUMMER TEACHER FOR MOUNDS PARK ACADEMY ST. PAUL, MINNESOTA 2009-2011

Worked closely with teachers to design a compelling curriculum for a class on website development, which taught middle and upper school students how to effectively make their own websites using the increasingly relevant language of HTML. I also co-taught classes on basic computer skills, movie-making, and golf.

Skills

- ▶ Leadership - In addition to teaching, I have co-founded two FRC Robotics teams and mentored three FIRST Robotics and two Lego League teams in my community.
- ▶ Design - I specialize in both Industrial and Marketing aspects of design. I have created intricate models in CAD software for real world use (Autodesk Inventor), and consulted for others in design efficiency and optimization. For marketing, I have designed and built four major websites from the ground up, that generate over 500 page views weekly. I have also written an end-to-end content management system which focuses on user interface optimization and user interaction. I also specialize in vector graphics design and branding.
- ▶ Critical Thinking - I use critical thinking skills to solve various engineering oriented challenges that are presented in and outside of school. I highly value the scientific process, and I am always looking for ways to innovatively improve my approach to problem solving. However, critical thinking does not limit me, and I am constantly required to think outside of the box in engineering challenges provided by robotics.
- ▶ Communication - One of my strongest skills that helps me succeed as a leader is my ability to communicate. I help people articulate their ideas in ways that are simple and easy for others to understand, and often act as a bridge to help the aspiring engineers on our robotics team get their ideas out. I take pride in public speaking and am always thrilled to answer questions on a subject about which I am passionate. I also use my communication skills to raise substantial funds for major technology projects.

Volunteer Activities

APPALACHIAN SERVICE PROJECT SUMMER 2012 & 2013

ASP is a week long service project in rural Kentucky, where we help people in need repair and renovate their homes. I enjoy getting to know our hosts and their unique culture.

SPLAT CHARITY SPRING 2011-PRESENT

I designed and coded the website for the charity of a fellow classmate to help him get the word out to potential sponsors. It can be found at <http://splatcharity.org>.

WOODBURY DAYS SUMMER 2012 & 2013

I led the demonstration of last year's FRC robot before hundreds of spectators in my city, helping to inform and inspire children and adults about science and technology.

Extracurricular Activities

- Football - Three years (Captain & Lettered)
- Baseball - Seven years (Lettered)
- Quizbowl - Four years (Lettered)
- Robotics - Seven years (Captain & Lettered)
- Theater - Six Years (Lettered and inducted into the International Thespian Society)
- Yearbook - Three years (Tech Editor for a nationally award winning yearbook)

Technical Experience

- Website Development (Over 10 professional deployments)
 - Design Languages (HTML, CSS, Bootstrap)
 - Backend Development (PHP, MySQL, Wordpress CMS, Node.js)
 - JavaScript (with jQuery)
- Programming
 - Desktop (Mac Apps, Windows 8 Apps, Java Applications)
 - Mobile (iOS, Android)
- Design (Experience with end to end solutions from initial design to fabrication)
 - CAD (PTC Creo, Autodesk Inventor)
 - Adobe Creative Suite (Illustrator, Photoshop, Premiere Pro, After Effects)