

LARISSA M. BORCZ

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A creative and detail oriented Engineer with eight years of experience across software engineering, business, consulting, teaching, and graphic design. Able to establish clear and concise methods to utilize technology in order to help individuals connect, learn, understand, and take action. Familiar with working with developers, designers, and marketing to optimize product specifications and capabilities.

- Application Development
- Programming Language
- Training & Supervision
- Software Engineering
- Problem Solving
- Communication Skills
- Project Management
- Process Optimization
- Quality Assurance

EDUCATION & CERTIFICATION

Bachelor of Science: Electrical & Computer Engineering – The Ohio State University, Columbus, OH (2012)

Minor: Business, Computer & Information Science – The Ohio State University, Columbus, OH (2012)

Affiliations: Toastmasters International (2012 - 2013), Project Management Institute (2015 - Present)

TECHNICAL SKILLS

Programming Languages (ranked by decreasing order of experience): C#, ActionScript 3 (AS3), Batch, XML, HTML/HTML5, CSS, JavaScript (JS), Java, jQuery, SQL, PHP, Visual Basic (VB, VB Script), Python, C/C++

Frameworks/API/SDKs: .NET, WPF, Bootstrap, Win32, Mogreet, Twitch, Twitter

Operating Systems: Windows, Mac OS X, Linux (Ubuntu, Redhat), Windows Server 2008/2016

Programs (ranked by decreasing order of experience): Microsoft Office, Visual Studio, Subversion, Redmine, Microsoft Deployment Kit (MDT), Adobe Creative Suite Master Collection (Acrobat, Photoshop, Illustrator, InDesign, Dreamweaver, Flash Professional, Flash Builder, Premiere Pro, After Effects, Media Encoder), HP Exstream, MySQL/phpMyAdmin, Jenkins, Open Office, Smartsheet

PROFESSIONAL EXPERIENCE

FREELANCE, Columbus, OH

Consultant, Contractor, Volunteer (Jan 2006 - Present)

- Twitch: Design an interactive heart monitor and branded application using Arduino SDK and Processing, artwork displayed on live streams, and needed additional apps such as trackers using C# and .NET. Update interactive game for branding and subscriber interaction using GreenSock, JavaScript, HTML5, and CSS. Admin team member for a community of over 500 subscribers, helping create business plans, and marketing strategies. Build custom branded and tracked websites using HTML5, JavaScript, CSS, jQuery, PHP, and Google Analytics, and their accompanying CMS using C#, .NET, and WPF (2016 - Present).
- Indie Games, Creative Train: Provided consultancy on coding architecture and game design (2014 - 2015).
- Earthworks Builders: Created interactive games targeted towards education. Games included in a National Endowment for the Humanities Grant Submission (2012), and International Conference on Physics Education in Prague (2013).

COLUMBUS INSTRUMENTS, Columbus, OH

Software Engineer (Mar 2017 – Oct 2017)

- Researched, designed, and developed computer software systems using VB6, C#, and .NET in conjunction with hardware product instrumentation used for monitoring behavior and physiology in animals, as well as environmental research.
- Performed requirements analysis, project management, and development roles for software application redesign using C#, .NET, WPF, Redmine, and Subversion. Learned custom designed hardware functionality and serial communication schemes. Created custom hardware testing interface using C# and .NET.

- Consulted with sales and engineering staff to evaluate customer interface software, operational and performance requirements of overall system, maintenance, and customer required software features and certifications. Wrote technical documentation and hardware datasheets required for software development, and comment driven code documentation using Sandcastle. Authored custom project management game plan documentation covering system redesign options, migration, timeline, and cost savings analysis.
- Assisted in company server hardware upgrade, migration, and setup. Configured SharePoint, Redmine, and Subversion servers/sites used for intranet communication, engineering documentation, and project management. Updated corporate parts and orders tracking database and report system using VB6 and SQL.

NATIONWIDE INSURANCE / BROOKSOURCE, Grove City, OH

Contract: Requirements Analyst, Software & Applications Developer (Jan 2016 – Feb 2017)

- Completed a Continuous Improvement challenge by building a responsive WPF GUI, and custom installer, that interfaced with an IBM DB2 mainframe to streamline the reprint process of mangled claims checks. Prototyped GUI functionality using VBS, HTML, JavaScript, and CSS, before creating a final interface in C# and .NET, that supported XML, Zip, Excel, Outlook, and encryption components, with audit record keeping. Created application user guides, and comment driven interactive code documentation using Sandcastle.
- Authored documentation used for internal process and operations management, including defining mockups and data/document mapping, application user guides, and audit diagrams. Created new company applications as needed, and managed them from conception to close, including architecture, coding, and documentation. Designed Nationwide documents in HP Exstream.
- Mentored developer intern regarding company software used, coding architecture, coding standards, and professional development.

MICRO INDUSTRIES, Lewis Center, OH

Software & Applications Developer (May 2013 – Nov 2015)

- Wrote and maintained applications for legacy and proprietary systems, encompassing debugging and adding features to enhance system development to conform with business needs and customer requirements using C#, .NET, JavaScript, and ActionScript 3. Authored technical documentation and designs for developed software, systems, and scripts.
- Communicated with software development and graphics design teams to create planning process and execute product life cycle. Mentored graphic design teams regarding illustration and graphic design creation.
- Collaborated with Verizon to develop modem hardware management software using C# and .NET. Created an interactive, touch-driven game using Flash and ActionScript 3. Developed automated tests to exercise application UIs using C# and .NET. Troubleshoot and managed remote systems.
- Spearheaded reduction in total retail kiosk setup time by 600% through automation, including writing Python, VB, and Batch scripts for developer operations in relation to project content creation, log analysis, and maintenance.
- Facilitated increase of company keyword search engine frequency by 31% through implementing Search Engine Optimization (SEO) strategies.
- Designed Windows 7 32-bit and 64-bit secure images using MDT for desktop and mobile systems.

THE OHIO STATE UNIVERSITY: OFFICE OF INFORMATION TECHNOLOGY – THE DIGITAL UNION, Columbus, OH

Student Programmer, Multimedia & Technology Support (Dec 2007 – Apr 2013)

- Developed and implemented solutions to encountered hardware and software issues, in addition to troubleshooting software and hardware products.
- Collaborated with faculty, staff and students to identify and provide design solutions, and assisting with computer software, hardware, and multimedia production methods.
- Supervised staff members on assigned projects and served as a primary contact for coordinating and resolving technical issues. Mentored student employees.
- Published technology and blog articles to further understanding and development.