

Victor Bjornsson

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COMPUTER SKILLS AND APPLICATIONS

Application Development: C, C++, C#, Java, ASP.NET, PHP, MySQL, Python, SQL, XML, HTML, CSS, JavaScript, Perl, Ruby, OpenGL, Ada

Personal Productivity: Vim, Eclipse, Visual Studio, Adobe Photoshop, Adobe Illustrator

Operating Systems: Windows, Linux, Android

EDUCATION

Undergraduate, Major in **Computer Science**, Western Washington University (WWU), Bellingham WA, **June 2011 graduation**

ACADEMIC EXPERIENCE

Networking and Web Technologies

- Developed a small Android application for an advanced Java course.
- Developed multiple, database-driven websites using ASP.NET, C#, Visual Studio and SQL Server Express in an E-Commerce Systems management course.
- Created a database driven website using PHP and MySQL for a web development course.
- Wrote a Remote File Access protocol in C to open, read, and write files over networks with multiple servers for a networking course.
- Worked with CGI, Perl, Ruby, and PHP on various small programs in a web scripting course.

Graphics

- Through taking both a computer graphics and a game programming class, I learned Python, Pygame and the basics of OpenGL.

Software Design and Implementation

- Wrote a mini UNIX shell in C which implemented several basic features of a BASH shell.
- Programmed various Windows applications in C++ and C# in a Windows development course.
- Wrote an object oriented adventure game in C++ over a quarter. My professor had us write the game with partners, and we switched partners twice throughout the completion of the game.
- Currently working with a group to create a design document for a racquetball tournament scheduling application for a phone/tablet. This includes designing the UI, database, and general dataflow of the various components involved in the application.
- Worked with a team to develop a GUI front end for software that could be used in a beginning game programming class at WWU. Software was developed using C# and Visual Studio.

Other

- Researched and implemented a vast amount of data structures and the various algorithms that pertain to those structures. Examples include tree/graph algorithms and sorting algorithms.
- Wrote small, language processing programs in Prolog, Haskell, and Ruby.
- Wrote a paper on cross site scripting attacks in a computer security course. I learned about computer vulnerabilities and the many complications with computer security over the quarter.
- Dealt with methods of parallel programming such as monitors, semaphores and conditions for both a concurrency course and an operating systems course.

PROFESSIONAL EXPERIENCE

Web Developer Logos Research Systems Bellingham, WA July 2011 – January 2012

- Worked in a structured software development environment with technologies such as C#, ASP.Net, ASP.Net MVC, HTML, CSS, jQuery, and Git.
- Developed an intricate survey system which sent customers emails to take surveys based on purchases, customer service calls, and other triggers. The system allowed employees to view statistics on the surveys.
- Implemented new features in both the company website and in house CRM software.
- Responsible for finding causes of bugs and implementing solutions for them.

Webmaster/Computer Support Master-Pull LLC Bellingham, WA June 2006 – Present

- Developed and managed multiple websites using basic internet technologies such as HTML, CSS, and JavaScript.
- Created both print and web advertisements using Adobe Photoshop and Illustrator
- Was responsible for taking product photos and editing them using Photoshop
- Assisted in creating a computer network for the company office. The server implemented a VMware hypervisor running multiple virtual Linux servers, Samba file shares and a pfSense virtual router.
- Managed software and hardware on Windows machines.

Other

- Developed WordPress websites with custom built themes
- Configured multiple laptops and desktops with both Windows and various Linux distributions.
- Resolved issues with virus infection on multiple computers.