

Forrest Zeisler, BSc, E.I.T.

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<http://www.forrestzeisler.com>

A skilled software developer with an excellent record of success in software development, technical problem solving, and project management.

Planned and managed multiple projects through the full life cycle of the software design process, including the development of business plans, determining software requirements, coding and supervision of coding, proof of concept/prototyping, implementation, user documentation, testing, and maintenance. Demonstrated history of technical creativity and considerable success in devising functional solutions to complex software problems.

Strong team building and organization skills. Hired, supervised and mentored new employees, and managed tight timelines.

TECHNICAL EXPERTISE

In Depth Expertise:

C, C++, Objective-C, SQL, PHP, JavaScript (particularly Prototype, script.aculo.us & JQuery), CSS, XHTML, Ruby (Ruby on Rails), Java, WordPress, Git, Subversion, Apple Widgets

Working Knowledge:

OpenGL, .NET, Visual Basic, C#, ASP, Python, SharePoint templates, Adobe ColdFusion, Core Image kernels

System Administration Skills:

- Experienced with Unix, Linux, Mac OS X, Windows
- Administered systems running on Apache, nginx, Postfix, MySQL, Monit
- Designed and implemented monitoring and backup solutions
- Server Security: Passed nCircle server security inspection in order to process credit card transactions

Development and Design Skills:

- Proficient with Adobe Photoshop and Illustrator
- Designed user interfaces and performed analysis of existing designs
- Worked with a variety of APIs including Twitter, Facebook, Justin.tv, Ustream, StreamAPI, Qik, Gmail, Basecamp, Beanstream, and Amazon S3
- Deployed updates on live systems with thousands of users using custom scripts

PROFESSIONAL EXPERIENCE

Freelance Developer

Winter 2009 – Present

Edmonton, Alberta www.forrestzeisler.com

Provided a range of services including but not limited to web-application, website, and blog theme development. Audited Government of Alberta applications and assisted with a GoA server migration. Provided contract development for several large applications, including SmibsTV (<http://smibs.tv>)

Lead Developer & Chief Technical Officer

Spring 2007 – Winter 2009

Smibs Inc., Edmonton, Alberta www.smibs.com

Smibs offers a range of products serving small to medium-sized businesses. Lead developer and co-founder responsible for the technological implementation of the business vision. Managed the entire product development life cycle from determining software requirements to product launch and continued post-release development. Led a team of three developers, including hiring, scheduling and task assignments. Contributed articles regularly to the company blog. As CTO, I was directly involved in the development of five Smibs products: the Smibs Network, Doorbell, ContentMover, VideoLobby, and SmibsTV. Key features included a highly interactive web interface, gathering tasks and messages across multiple applications & servers, an online contact management system with a complex permission system, e-mail dropboxes, automated monthly billing, image processing and web crawlers.

Of particular note:

VideoLobby launched at the Realtime Crunchup conference, hosted by TechCrunch in San Francisco, November 15, 2009.

Lead Software Developer

Fall 2007 – Winter 2009

Plainpeak, Edmonton, Alberta www.plainpeak.com

Designed websites, templates and custom applications for clients. Developed a wide range of applications including contact management, company intranet, video streaming, and other custom applications. Worked with our German office on a number of projects for European clients.

Projects included:

- Alberta Tourism, Parks and Recreation: Developed SharePoint templates to run on their intranet.
- Daimler/Chrysler: Managed and performed updates on their Daimler Supplier Magazine subscription system.
- Alberta Historical Sites: Developed several templates for both their website and their intranet in the .NET Framework. Trained clients to use and maintain the system.
- Alberta Sustainable Resources: Technical consulting for web-based services using .NET and SharePoint.
- Alberta Child and Youth Services: Development of custom utilities to assist in the migration of existing content to a new CMS.
- University of Alberta: Developed diagnostic tools while providing technical consulting to help track down problems with their Adobe ColdFusion implementation.
- City of Edmonton: Provided technical assistance for gathering and cleaning website content during migration to a new CMS.

Software Research (Internship)
University of Alberta, Edmonton, Alberta

Summer 2006

Worked under Professor Dr. Witold Pedrycz, Canada Research Chair in Computational Intelligence, Department of Electrical and Computer Engineering. Created a graphic user interface for a pattern recognition algorithm. Developed a Visual Basic application to analyze several dimensional reduction techniques. Rewrote lab sections of a computer-engineering course (CMPE 320 Software Testing).

Software Research (Internship)
University of Alberta, Edmonton, Alberta

Summer 2005

Researched artificial intelligence using distributed systems under the supervision of Dr. Marek Reformat, Director of Computer Engineering, Department of Electrical and Computer Engineering. Research funded by a grant from CFI (Canada Foundation for Innovation) and IS RIP (Innovation and Science Research Investments Program). Studied concept recognition using associative memories, and developed frameworks for construction of distributed systems, and neuro-based systems. Additional development on hardware/software interface and biologically inspired image processing based on the visual cortex.

EDUCATION

2008 BSc, Software Engineering, Faculty of Engineering, University of Alberta
2003 Western Canada High School, Calgary

AWARDS

2006 Jason Lang
2006 Zeta Psi Scholarship
2003 University of Alberta, Entrance Scholarship
2003 Bob Clark Memorial Scholarship (excellence in electronics and technology)
2001 – 2003 Alexander Rutherford Scholarship

OTHER INTERESTS

Zeta Psi Fraternity:
Current Alumni Advisor, Vice-President 2007, Treasurer 2006-2008, Member since 2005.
Organized recruitment activities, poker tournaments, retirement parties, fundraising and philanthropy events.