Arwid Bancewicz

Site   arwid.ca
Email   arwid@arwid.ca
Mobile   +1.647.338.4599

Education

BASc, Computer Engineering
University of Toronto

Sept 2005 - Nov 2010

- Honours: Dean's Honour List 2005-2007, Ranked as high as 4th out of 130 students
- Focus: Software, Networks, Business & Entrepreneurship (U of T Entrepreneurial Course Series)
- Had one of the top ECE243 projects in the class of 290 and one of only two projects implementing 3D graphics.
- Received the Entrepreneurship, Innovation, and Small Business Management Certificate.
- Bridge Design Runoff Finalist, 2005

Experience

Company

Software Developer
Camilion Solutions

May 2008 - Aug 2009

- Developed the ground work for a new UI for an existing product; left for a team to configure and build on top.
- Became known among colleagues and managers as the "EXT JS expert" and was the go-to guy for related issues.
- Worked in Agile software development (SCRUM) with latest software technologies (J2EE, Spring, Ext JS).
- Experienced the life cycles of two product releases (including QA); and worked on a new product prototype.

Lead Software Developer
Vengeo

May 2005 - May 2008

- Developed unique features for a C#/.Net desktop application and a JavaScript application.
- Served lead programming role alongside team lead to rewrite various features of the software.
- Gained valuable time management skills in balancing the demands of work and its tight deadlines with school.

Self-Employed

Lead Web Developer
Formerly Arwid.ca

Jun 2006 - Present

Initially started in the summer after 1st year of university with the itch to apply classroom theories into the real world. Focused on providing web services particularly for small businesses and business owners to help them establish a strong web presence and corporate identity. Although most work was directly for clients, there was some contractual work to get to several house hold names including Lamborghini Toronto and Perimeter Financial Corp. Most recently, there was some joint work with a design firm and as a lead developer for a local startup on a project basis to create their first prototypes.

Major Projects

- myQuadoo , 2011 - Currently working on bleeding edge web app with the aim of submitting it into multiple app stores.
- Moso , Dec 2010-Feb 2011 - Lead Developer for a startup on a project basis to create their initial developments. Worked with Ruby on Rails, social APIs, jQuery, Sammy, jQuery mobile, and Sencha touch.
- NewhouseConnect , Mar 2011 - Developed website with Ruby on Rails3, PHP5 for RETS connection, HTML5, and CSS3. Worked with Normative Design who wire-framed, designed, and managed the project. Created several open source plugins.
- Ernescliff College, 2008 - Created a dynamic database driven flash website for a U of T student residence; including a Content Management System (CMS) for maintaining website content and a Gallery Management System for maintaining photo galleries.
- Living Spanish , 2007 - Created a copycat of freshbooks.com , an online management system for managing clients and staff with built-in invoicing and mass emailing. Improved website, SEO, and synchronized its online calendar with Google Calendar.
- RegisterIt , May 2007-Aug 2007 - Created, maintained, and debugged websites and large site databases; including Content Management Systems. Researched web technologies to augment product and service offerings to a broader niche of customers. Worked for clients including Perimeter Financial Corp, HD Supply, Ducati Toronto, and Lamborghini Toronto.
- Living Spanish , 2005 - Created a stunning website for a small business to give it a web presence and a set corporate identity. Worked closely with client during the entire process for a custom and personalized web-based solution.

Competition

Programming Contest - Placed First
OBEA Computer Programming Contest 2005

Oct 2004 - Apr 2005

95 source files, 15,000+ lines of code. Available at sourceforge.net/projects/aichess and github.com/Arwid/chess

- Created an interactive chess game along with an applet, with AI and networking, under the GNU free software license, utilizing Object Oriented design in the Java programming language.
- Coded consistently for 8 months, in addition to secondary school studies, and prepared technical & user docs.
- Learned about binary trees, principals behind AI, optimizing AI algorithms, threading, and LAN communication.
- Received 400+ downloads since deciding to release it in late 2010. Also got picked up by Softpedia at mac.softpedia.com/get/Games/Arvydas-Chess.shtml.

Community

Community Involvement

Oct 2006 - Present

Open Source

- Developed several jQuery/Ruby plugins such as jQuery.Page , jQuery.scrollIntoView , jQuery.ui.sortableFix , jQuery.ui.animSortable , ruby-boilerplate , and contributed to Backbone.localStorage .

- Developed an Actionscript 3.0 library containing loaders as well as menu, button, and scrollbar controllers.
- Released an introduction to jQuery presentation. May 2010

Conference
- EPIC 2010 - Participated during the initial stages of a new technology conference and helped acquire U of T as their largest sponsor.
- CUTC 2009, Conference Ambassador for U of T - Was responsible for gaining support from U of T faculties and departments, promoted the conference to the student body, and ultimately bringing in a stronger delegation from U of T than prior years.
- PEO Student Conference 2007, Webmaster - Created and maintained a conference website that can easily change in site content and structure. Underwent a highly communicative process with constant change of requirements and content. Created a unique, dynamic, and secure online registration system that successfully processed 60 delegates from 14 different universities, including automated email notifications, and an administrative end.

Coursework

- **Final Design Project**, 2010
  Worked on enhancing an existing software; a distributed Publish/Subscribe middleware designed for large-scale event management applications. Replaced the existing message creation mechanism with JavaCC parsers to allow the software to accept industrial-standard communication protocols such as XML, JSON, and YAML.
- **Web Project (TagIT), ECE450**, 2010
  Participated in a class-wide software project in developing a social networking service for Auto Service Centres. Researched jQuery, along with other JavaScript libraries, and prepared a presentation for the class.
- **HTTP Server Design Project, ECE299**, 2007
  Lead a team of three to create an object-oriented HTTP web server in C++. Implemented multi-threading, server clustering, log files, graceful server shutdown, and various features for protocol processing such as virtual web hosting, automatic pathname expansion, and dynamic content handling.
- **Digital Systems Project (3D Objects), ECE983/241**, 2006
  One of the top projects in the class of 290 and one of only two projects implementing 3D graphics. Created a 3D system in hardware (Verilog & Schematics) that displays a transformable 3D object. Large Size & Complexity: over 40 min to compile compared to 5 min for other class projects. Learned Verilog beyond scope of course and did personal research in 3D graphics theory. Implemented line drawing algorithms & trigonometric computation in hardware.
- **Assembly Project, ECE243**, 2007
  Coded a memory game in 68k Assembly using a hex keypad user-interface, microphone and speakers.
- **Communication Device, ECE298**, 2006
  Enabled communication between two devices by transmitting various laser beam frequencies.

Skills

Ruby on Rails3	C, C++, C#	SQL
Java, J2EE, JavaCC, Spring	Verilog	Git
JavaScript	BLITZ KPL	TextMate, IntelliJ IDEA, NetBeans, Eclipse
jQuery, EXT JS, Backbone.js	ASP, ASP.Net	Photoshop, Illustrator
ASP, ASP.Net	Dark Basic Pro	Maya, 3D Studio Max, LightWave
HTML5, Haml	68k Assembly	Flash, AfterEffects
CSS3	PHP	

Language Usage

The following statistics were generated from current local code repositories and based on characters of code:

JavaScript (41%)	CSS/SCSS/SASS (10%)	C/C++ (1%)
HTML/HAML/ERB (17%)	C# (7%)	ActionScript (1%)
Java/JJ (16%)	Ruby (3%)	PHP (1%)

University Involvement

- Canadian Undergraduate Software Engineering Conference (CUSEC), Attendee, 2011
- Impact National Technology Conference (IMPACT), Attendee, 2010
- Educate, Promote, Inspire, Connect (EPIC), Conference Team Member, 2009
- Canadian Undergraduate Technology Conference (CUTC), U of T Ambassador, Head Delegate, 2009
- Canadian Undergraduate Technology Conference (CUTC), School Delegate, 2008
- Professional Engineers of Ontario (PEO) Student Conference, Conference Webmaster, 2007
- Award Winning Businesses, Waterloo, Selected Attendee, 2007
- IBM Consulting Invitation, Attendee, 2007
- Skule™ Mentorship Program, Mentoree, 2007
- Business Club for Engineers, Member, 2006

Extra-curricular

- Intramural Ice Hockey, EAA, U of T, 2009-2011
- GoodLife Fitness member, 2005-2009
- Ice Hockey, ASHL, PHN, 2002-2008
- Glider Pilot, YSA, 2004-2008
- 120 km bike trip to Niagara, 2007
- Ice Hockey, West Mall Lightning, Youth-2007

Awards

- Entrepreneurship, Innovation, and Small Business Management Certificate, University of Toronto, 2008
- Dean's Honour List, University of Toronto, 2005-2007
- Finalist in Bridge Design Runoff, University of Toronto, 2005
- First place in Computer Programming Contest, OBEA Computer Programming Contest, 2005
- Computer Science Award, Michael Power St. Joseph, 2005