Arwid Bancewicz

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Education

BASc, Computer Engineering
University of Toronto

Sept 2005 - Nov 2010

- Honours: Dean's Honour List 2005-2007, Ranked 4th out of 130 students (2005-2006) in CGPA.
- Focus: Software, Networks, Business & Entrepreneurship
- Received the Entrepreneurship, Innovation, and Small Business Management Certificate.

Experience

Startup

Co-Founder and Developer
LookFlix

Jun 2012 - May 2013
1 year

- Finalists in the MassChallenge startup accelerator in Boston and part of Microsoft BizSpark One.
- A touch-based clothing discovery app built with BackboneJS/Rails/C#/.net; served in FB and as an ecommerce site widget.

Founder and Developer
Laborific

Oct 2011 - Present
3+ years

- A product umbrella and development shop for web apps.
- Most apps built with BackboneJS/Zepto/Rails/Haml/Sass, such as MyQuadoo and Passbox.
- Built a mobile UX framework on top BackboneJS.

Co-Founder and Developer
Vertex.IO

Jun 2011 - Oct 2011
5 months

- A Platform as a Service (PaaS) to provide both hosting and data services for HTML5 Mobile Apps.
- The goal was to make mobile web app development easy enough for designers to do.
- App built with NodeJS, CouchDB, and integrated with Cloud9 IDE.

Company

Web App Developer *(Contract, Project-basis)*
EventMobi

Dec 2011 - Apr 2012
4 months

- Contracted to build EventMobi's HTML5 app "Fusion" which became their flagship product.
- App was built with BackboneJS and functions both online and offline.

Lead Software Developer *(Contract, Month-to-month)*
Moso

Dec 2010 - Feb 2011
2 months

- Contracted to lead development 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.

Software Developer *(Contract, 16-months)*
Camilion Solutions (Now part of SAP)

May 2008 - Aug 2009
16 months

- Architected a new UI for an existing product in Ext JS/J2EE/Spring and supported teams as the Ext Expert.
- Experienced the life cycles of two product releases (including QA); and a new product prototype.

Lead Software Developer *(Part-time/Full-time)*
Vengeo

May 2005 - May 2008
3 years

- Rewrote various features of a C#/.Net desktop application and a JS app.

Self-Employed

Owner and Web Developer
Arwid.ca (Formerly)

Jun 2006 - Mar 2011
5 years

Provided web development services for small business owners, as well as for larger brands such as Perimeter Financial Corp.

Projects include:
- NewhouseConnect, Mar 2011 - ROR3, PHP5, HTML5, and CSS3. Designed by Normative Design.
- Ernescliff College, 2008 - Dynamic flash website and custom CMS
- Living Spanish, 2007 - Created a copycat of freshbooks.com with organization management.
- RegisterIt, May 2007-Aug 2007, *Contract* - Perimeter Financial, HD Supply, Ducati & Lamborghini Toronto.
- Living Spanish, 2005 - Dynamic Flash website

Competition

Programming Contest - Placed First
OBEA Computer Programming Contest 2005

Oct 2004 - Apr 2005
8 months

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

mac.softpedia.com/get/Games/Arvydas-Chess.shtml.

- Created an interactive chess game in Java along with an applet, with computer AIs and online matchup.
- Coded consistently for 8 months, in addition to secondary school studies, and prepared technical & user docs.
- Learned binary trees, principals behind AI, optimizing AI algorithms, threading, and LAN communication.

Community Involvement

<div align="right">Oct 2006 - May 2010
<i>4 years</i></div>

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, Node.js	Java, J2EE, JavaCC, Spring	SQL, Git
JS, CoffeeScript	C, C++, C#	TextMate, IntelliJ IDEA, NetBeans, Eclipse
BackboneJS, jQuery, Ext JS	Verilog, BLITZ KPL	
HTML5, Haml	ASP, ASP.Net, PHP	Photoshop, Illustrator
CSS3, SASS	Dark Basic Pro	Maya, 3D Studio Max, LightWave
Responsive Design	68k Assembly	Flash, AfterEffects

Language Usage

The following statistics were generated from code commits in local repositories and based on characters of code: (2010)

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

- Toastmasters, 2013
- Intramural Ice Hockey, EAA, University of Toronto, 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, OBEA Computer Programming Contest, 2005
- Computer Science Award, Michael Power St. Joseph, 2005

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