

"If I have seen further, it is by standing on the shoulders of giants" – Isaac Newton

For project links please see html version: [danieru.com/resume/resume.html](http://danieru.com/resume/resume.html)

## Open Source

<a href="#">ExtractZipFile plugin</a>	Primary developer ExtractZipFile BB10 cordova plugin. Provides zip extraction for htmL5 apps under BB10 cordova based webworks.
<a href="#">Foomatic</a>	Primary contributor to Foomatic 5.0 series. Added support for sqlite backends. Rewrote XML backend replacing 10k lines of code with 2k and improved performance.
<a href="#">libjtapi</a>	Primary developer. Libjtapi is the reference implementation of the Free Standard Group's Job Ticket API, jtapi.
<a href="#">PPSSPP keymapping</a>	Contributed cross platform keymapping. Required large scale refactoring of input path. Feature was released in version 0.9
<a href="#">afterRead</a>	Created wordpress plugin for inserting dynamic content in post footers. Featured plugin interface. First peice of released software I ever made.
<a href="#">ANDSemu</a>	Fork of nds4droid focusing on user experince. Introduced UI features later incorporated by upstream. Name has since been squatted in play store.

## Notable Experiences

I must thank my many mentors, they all helped me grow as a programmer.

Program	Mentor	Description	Time
UCOSP 2013	Tim Windsor	Undergraduate Capstone Open Source Projects (UCOSP) is course for 40 of Canada's top university students. We are organized into distributed teams to contribute towards existing open source projects. Also see 'Cordova' in Open Source section for project details.	Fall 2013
Microsoft SDE Internship	Eric Millan	Interned with Windows Division, Sustained Engineering Group, Devices & Networking Team.  Wrote OCASE BCDE, a bulk analyzer for windows mini-crash dumps. BCDE takes a debugger script which it runs across large quantity of crash dumps capturing results. Also backported bug fixes from Windows 8.1 to Win 7 & Win 8.  I received a job offer but turned it down for personal reasons.	Summer 2013
Google Summer of Code 2012	Glen Petrie	Wrote LibJTAPI, an abstract job ticket manipulation library. Also see 'libJtapi' in Open Source section.	Summer 2012
Google Summer of Code 2011	Till Kampeter	Rewrote Foomatic's DB XML backend into Perl. Wrote a SQL backend, also in Perl. Also see 'Foomatic' in Open Source section.	Summer 2011

## Web development

The websites listed are those I learned the most from. Numerous others not listed are still running and serving their owners well.

<a href="#">gamecrazy.com</a> <a href="#">hollywoodvideo.com</a> <a href="#">moviegallery.com</a>	Did all backend and initial front end programming. Every hour popular content is aggregated based on social media signals. All three sites use the same engine with site specific configuration.
<a href="#">marilynmonroe.com</a>	Developed to beat flash on its own turf with large full screen backgrounds and brand perfect fonts. The theme was created from a client supplied PSD.
<a href="#">necaonline.com</a>	Did all major programming including migrating 1000s of images, products, and posts from proprietary ruby backed site.
<a href="#">smrsimple.com</a>	Since launch in 2009 we have served over 150,000 visitors over 1,300,000 pageviews, and over 100,000 map downloads.

## Education

GPA by end of third year: 3.47

University of Calgary	Bachelor of Science in Computer Science	2010-09 to 2014-05
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Instance uptodate as of  
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