

"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

Open Source

ExtractZipFile plugin	Primary developer ExtractZipFile BB10 cordova plugin. Provides zip extraction for htmL5 apps under BB10 cordova based webworks.
PPSSPP keymapping	Contributed cross platform keymapping. Required large scale refactoring of input path. Feature was released in version 0.9
ANDSemu	Fork of nds4droid focusing on user experince. Introduced UI features later incorporated by upstream. Name has since been squatted in play store.
libjtapi	Primary developer. Libjtapi is the reference implementation of the Free Standard Group's Job Ticket API, jtapi.
Foomatic	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.
afterRead	Created wordpress plugin for inserting dynamic content in post footers. Featured plugin interface. First peice of released software I ever made.

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 a competitive cross university course. We are organized into distributed teams and contribute towards existing open source projects. During the 2013 fall semester my team recreated common Android or iOS APIs for BB10's cordova environment. Please also see 'ExtractZipFile' in open source section.	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.

beta.pwg.org	Redevelopment of pwg.org with a focus on automating tasks of the pwg workgroup members and also marketing IPP to consumers, and implementors.
gamecrazy.com hollywoodvideo.com moviegallery.com	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.
marilynmonroe.com	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.
necaonline.com	Did all major programming including migrating 1000s of images, products, and posts from proprietary ruby backed site.
smrsimple.com	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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