

Open Source

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

From processors, compilers, kernels, to browsers. Programming is about building on the work of others. Open Source embraces this fact and leverages it. Open Source is about inviting anyone onto your shoulders.

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|----------|---|--------------------|
| 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. In 2011 as part of the GSoC program Google funded my foomatic contributions. | 2010-12 to 2012-04 |
| libjtap | Primary developer. Libjtap is the reference implementation of the Free Standard Group's Job Ticket API, jtapi. My work is being done under Google's Summer of Code program. | 2012-03 to 2012-10 |

Web development

For three years starting in 2010 much of my web development was on a freelance basis. In preparation for my Microsoft internship I wound down my freelancing to focus on personal projects.

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

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| 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

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|-----------------------|---|--------------------|
| University of Calgary | Bachelor of Science in Computer Science | 2010-09 to 2014-05 |
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Notable Experiences

While in university I took advantage of numerous programs which complemented my interests. I must thank my mentors who were all enthusiastic, and patient. They put up with some of my most silly mistakes and taught valuable lessons.

| Program | Mentor | Description | Time |
|----------------------------|----------------|--|-------------|
| Microsoft SDE Internship | Eric Millan | Interned with Windows Division, Sustained Engineering Group, Devices & Networking Team. Wrote OCASE BCDE, a bulk analysier for windows mini-crash dumps. BCDE takes a debugger script which it runs accross large quantity of crash dumps capturing results. Also backported bug fixes from Windows 8.1 to Win 7 & 8. | Summer 2013 |
| Google Summer of Code 2012 | Glen Petrie | Wrote LibJTAPI, an abstract job ticket manipulation library. Also see "libjtap" in Open Source section. | Summer 2012 |
| Google Summer of Code 2013 | Till Kamppeter | Rewrote Foomatic's DB XML backend into Perl. Wrote a SQL backend, also in Perl. Also see 'Foomatic' in Open Source section. | Summer 2011 |

Skills

Languages:

C

Perl

PHP

Java

Javascript

Tools:

Perl DBI

SQLite

Unix cli

SSH

rsync

Platforms:

Linux

Android

Web

Web Tech:

jQuery

Wordpress

HTML

CSS

Languages:

English

Japanese (下手)