Daniel Dressler
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Linux's IPP over USB driver

Wrote Linux's driver for IPP USB class devices. Contributed patches to system-config-printer for autostart support. The driver, ippusbxd, proxies HTTP between TCP and USB Bulk. Completed in 2014. Shipping in Ubuntu 14.04. Written in **C**.

1 x *Microsoft* **Internship working on Windows**

3 x **Google Summers of Code on Linux printing**

Did you know I have programmed...

- A game for the original Gameboy in C?
- A FreeBSD rootkit for bonus marks?

- Firefox OS's Out-Of-Memory Killer logcat logging?
- A 3D turn-based-strategy game in javascript?

Other projects

OCASE BCDE (C++, 2013)
Wrote internal Microsoft framework and language to script analysis of 10K+ coredump batches.

Contract Webdev (HTML, 2010-2013)
Developed 10+ websites ranging from marilynmonroe.com, necaonline.com, to eCommerce sites

Foomatic Database Engine (Perl, 2011)
Rewrote Linux's printer database generation into Perl, reducing code size by 8K lines. Added SQLite backend. Shipped in Ubuntu 12.04

ExtractZipFile (C & Javascript, 2013)
Wrote BlackberryOS10's HTML5 ZIP library. Provides Javascript with interfacing to native C for max performance.

Original Gameboy Game (C, 2014)
Wrote gameplay for a shmup running on the original Gameboy. Fought broken compilers to extract modern gameplay on a 1Mhz CPU.

LIBJTAPI (C, 2012)
Implemented Free Standards Group's abstract job ticket manipulation. Closely matches Printer Working Group's Semantic Model.

Degree

University of Calgary
Bachelor of Science
in Computer Science
Graduated 2014
GPA: 3.38

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Sakura House Motohasunuma #210,
45-18 Hasunuma-cho,
Itabashi-ku, Tokyo 174-0052

Work History

GSoC Linux Foundation (Summer 2014)

Microsoft Internship (Summer 2013)

GSoC Linux Foundation (Summer 2012)

GSoC Linux Foundation (Summer 2011)

Wal-Mart (2008-2010)

McDonalds (2006-2008)