Daniel Dressler

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Graduated BS 2014 GPA: 3.376

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Linux's IPP USB class driver

Wrote Linux's driver for IPP USB class devices: ippusbxd. Contributed patches to system-config-printer enabling autostart support for this class of printers. The driver proxies HTTP between TCP and USB Bulk. Completed in 2014, shipping in all Linux distributions late 2014. 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?
- A rootkit for a university course?
- Firefox OS's OOM killer monitoring?
- A 3D 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.