

Christopher Anderson

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Mountain View, CA

Experience

Jawbone

System Software Engineer – Device/System Software

Sept 2010 to Mar 2012

- Implemented product features in C/ASM on the CSR Kalimba platform.
- Implemented various device drivers and system services for peripheral buses for jOS.
- Worked on various stages of board bring-up and development for different ARM development boards.
- Served as primary engineer for working with DSP vendors and designing/implementing DSP services for jOS host side requirements.
- Designed jawbone filesystem and implemented the driver and base userspace tools for use with jOS systems and services.

Palm, Inc

Software Engineer – WebOS Kernel and Bootloader

Oct 2008 to Sept 2010

- Worked on Linux kernel, driver, and bootloader support for various embedded products.
- Implemented software support for hardware components consisting of, but not limited to, touchscreen controllers, charging chips, chipset buses, keypads, and led engines.
- Participated in board bring-up for multiple Qualcomm chipsets.
- Developed and maintained application support for userspace components (e.g. touchpanel firmware flashing).
- Worked on-site in Asia on multiple occasions to support hardware bring-up, touchpanel hardware validation/calibration, and to provide kernel and bootloader support for prototype builds of the Pixi and Veer.
- Investigated and resolved release critical bugs in various core components of webOS in a timely manner.

Twenty First Century Communications

Infrastructure Intern

Jun 2007 to Mar 2008

- Responsible for Linux and Solaris systems, as well as the deployment and maintenance of thin client solutions.
- Maintained existing C and Perl code bases and developed new software to better manage infrastructure systems.

ATS: Intelligent Discovery

Engineering Intern

Jun 2006 to Dec 2006

- Developed application features in C++ and Java for multiple platforms.
- Conducted API development and testing for background services utilizing JNI and RMI.

Ohio State University: Extreme Scaling Project (ExScal)

Research Assistant

Apr 2004 to Jan 2006

- Developed systems using C and Perl to coordinate sensor experiments on a large scale ATmega128L Linux device network.
- Developed interfaces and node health monitoring tools using LAMP, XMPP and GD.

Education

Ohio State University

Sept 2002 to Aug 2008

- Bachelor of Science, Computer Science
- Contributed to “[Exscal: Elements of an Extreme Scale Wireless Sensor Network](http://nullcode.org/ExScal.pdf)” presented at *11th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications*. Available at <http://nullcode.org/ExScal.pdf>

Skills / Background

- C, Python and shell scripting.
- Linux kernel and driver development in addition to bootloader development on ARM platforms.
- Knowledge of ARM SoC design and functionality.
- Familiar with ARM assembly, instruction pipeline and M3 specific designs.
- Various projects have included 1wire, i2c, SSBI, SPI, ISSP, proprietary microcode formats, capacitive touch screens, touch screen controllers, DSP chipsets, and charging systems.
- Contributed code to the following shipped products: Palm Pre, Palm Pre 2, Palm Pixi, HP Pre 3, HP Veer, and Jawbone Era.