

EXHIBIT Y

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Contact

www.linkedin.com/in/adrian-alonso-8a285115 (LinkedIn)
www.aalonso.wordpress.com
(Blog)

Top Skills

Embedded Linux
Device Drivers
Embedded Systems

Languages

English (Native or Bilingual)
Spanish (Native or Bilingual)
Korean (Elementary)

Adrian Alonso

Software Engineer at NXP Semiconductors
Austin, Texas, United States

Summary

Embedded Linux systems
Build frameworks: Openembedded, Yoctoproject
C/C++, Bash, Python
Linux kernel drivers audio

Specialties: Embedded Linux systems.

Experience

NXP Semiconductors

Software Engineer

December 2015 - Present (8 years 5 months)

Austin, Texas Area

Project lead, software release management, project management.

Embedded Linux device drivers; Clock and pin control subsystems (CCM, MMDC, IOMUXC)

LittleKernel audio drivers.

Domain/Tools: Software development; C/C++; Git; Linux kernel; LittleKernel.

Target platform: NXP iMX6/iMX7/iMX8 SoC

Freescale Semiconductor

Software Engineer

July 2011 - December 2015 (4 years 6 months)

Embedded Linux device drivers; Audio subsystem

Enhance/Develop Linux device drivers for iMX53/iMX6 audio IP modules:

ESAI, SSI, ASRC, CCM.

Yoctoproject BSP layer maintainer meta-fsl-arm

<https://github.com/Freescale/meta-fsl-arm>

Secret Lab Technologies

Software Engineer

Embedded Linux software engineering services

Linux BSP for Xilinx FPGA development platforms.

Yocto/Openembedded framework support for building embedded Linux distributions for Xilinx target platforms Powerpc 405, 440 and Microblaze architectures.

* Initial project as Google summer of code 2010

* Yoctoproject contributions:

<http://git.yoctoproject.org/cgi/cgit.cgi/meta-xilinx/>

Domain/Tools: Software development; C/Bash/Python; Git; Openembedded;

Target platform: Xilinx Virtex FPGA, Powerpc 405, 440, Microblaze.

Google Summer of Code

Software Engineer

May 2010 - August 2010 (4 months)

Mexico City Area, Mexico

GSoC project with Linux Foundation to support add support of embedded Linux distributions to Xilinx PowerPC 440 FPGA; Part of Master degree project.

https://aalonso.files.wordpress.com/2011/11/alligator-os_17012011.pdf

Upstream YoctoProject meta-xilinx which now is meta-xilinx-community.

Domain/Tools: Software development; C/C++; Git; Linux kernel.

Target platform: Xilinx PowerPC 440 FPGA.

Dextra Technologies

Software engineer

July 2009 - September 2009 (3 months)

Guro-gu, Seoul, Korea

Gstreamer custom plug-ins for audio codec plugins; Development environment based on Scratchbox2 for Linux embedded applications.

* Summer job @ LG Korea

Domain/Tools: Software development; C/C++; Git; Linux Limo; Gstreamer;

Target platform: OMAP processors.

Dextra Technologies

Software engineer

April 2006 - January 2008 (1 year 10 months)

Develop and maintain audio/speech codec's interface to multimedia engine.
The Multimedia engine improves data exchange between GPP and DSP
where algorithm codec's are executed.

Domain/Tools: Software development; C/C++; Code composer; Jtag debugger;
ClearQuest; ClaerCase;

Target platform: OMAP processors.

Education

Instituto Politécnico Nacional

Master, Computer engineering · (2008 - 2010)

Universidad Autónoma Metropolitana

Balchelor, Electronic Engineering · (2000 - 2005)

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