

# ANDREW J KILKENNY

Los Angeles, CA | 262.370.0870 | andrew@andrewkilkenny.com

BS Computer Science & Communication Arts - Radio, TV, Film | University of Wisconsin at Madison

## RELEVANT SKILLS

C, C#, C++ PC, Mac, Linux, & Embedded	Linux & Android Software Development (Full Stack) C, C++, Java, Android App	Unity3D OpenCV	Requirements & Specification Development
ARM SoC Software Development	Various Microcontroller	SPI, I2C, GPIO, CAN Ethercat, CANOpen	Python & embedded web GUI
Linux & Android Software Development (Full Stack)	Supplier Management	Transition to Manufacturing	HTML, Javascript, jQuery
Project Management & Communication Coordination	Real-Time Focused Embedded Software	Board Bringup & Hardware Debugging	RTCA DO-160 Compliance (FAA Flightworthiness)

## PROJECT & WORK HISTORY

### Independent Consultant & Artist - May 2015 - Present

Interactives location tracking - WIFI, Bluetooth, GPS	Private Jet Security Server (software team lead)	Unity3D Projection Mapping Tools	Etherhouse - LACMA art + technology lab grant application project
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### Walt Disney Imagineering - PH Show Software Developer January 2015 - April 2015

Animatronic Motion Control Software (Robotic Animation)	Copley & Elmo Motor Amplifier Drive Control	Ethercat & CANOpen Industrial Motor Control Protocol Implementations	Real-Time Xenomai Linux Application Development
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### RightHand Technologies, Inc. - Fall 2009 - December 2014

Project Documentation	Transition to Manufacturing	<b>Project Engineer - Summer 2013</b>
Project Management Software Architecture Design	Supplier Management	<b>Software Engineer - Fall 2009</b>
Microcontroller for Embedded Aerospace AppleTV/MacMini Media Server	Embedded Linux BSP & Driver Development for LCD, Touch Screens, and Embedded Servers	Embedded Android Based LCD Touch- Screen for Motorized Seat Controller - Project Lead

### Producer - *Francesca* - Feature Length Film - Summer 2009

Company Formation	Payroll	SAG Union Contracts	Logistics Management
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### Various Roles - Undegraduate Film Program - UW Madison - 2004 - 2009

Director	16mm Film production	Lighting Design	Editing & Post Production	Scriptwriting	Theory & Criticism
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### Intern - Software Engineering - Extreme Engineering Solutions, Inc. June 2007 - September 2008 (Full & Part Time)

Linux Driver Development	Linux/VxWorks Test Software	PowerPC SoC Software	Mainline Linux Kernel Contribution
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