



Maxwell McKinnon

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Experience

MTS – AUDIO APPLICATIONS, MAXIM INTEGRATED – 2014-PRESENT

Continue to debug audio problems across hardware and software with key customers

Led a four-person automation team through two revisions of Audio team silicon

Built two automation tools: xTalk and INLDNL

AMTS – AUDIO APPLICATIONS, MAXIM INTEGRATED – 2013-2014

Implemented two microphone solution to digital cocktail party problem (ICA)

Trained five field and manufacturing engineers from our China team

INTERN – AUDIO APPLICATIONS, MAXIM INTEGRATED – 2011 AND 2012

Learned how to automate equipment over I2C and GPIB with C#, Python, and VBA

Built a rotator for HATS with Arduino, stepper motors, and laser cutting

Education

University of Idaho – M.S. CS – 2016 – 3.8

Oregon Tech – Two B.S. Mathematics and EE – 2011 – 4.0

Skills

Embedded HW/SW Debug	Python	Linux Kernel (ALSA)	Chinese
Audio Automation	C#	Altium	
Embedded Automation	MATLAB	JS/HTML/CSS	
DSP	C/C++		

Projects

GENERIC EVKIT HARDWARE GUI

Built a tool to automatically generate EVKIT GUIs' register maps by parsing data in Contour. We now have a GUI on day one of new silicon. Made a spinoff of the tool to generate Linux ALSA drivers.