

# Maxwell McKinnon

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## EXPERIENCE

### Apple, Cupertino — *Level 3 Audio SW Engineer*

2017 - Present

Cannot disclose details

### Maxim Integrated, San Jose — *MTS Audio Applications*

2014-2017

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

Built two automation tools: xTalk and INLDNL

Built and presented demos at CES 2017 in Chinese and English

### Maxim Integrated, San Jose — *AMTS Audio Applications*

2013-2014

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

Mentored five field and manufacturing engineers from our China team

### Maxim Integrated, Sunnyvale — *Intern Audio Applications*

2011 and 2012

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

Designed and built (somewhat in that order xD) a rotator for HATS with Arduino, stepper motors, and laser cutting

## EDUCATION

University of Idaho, 3.8 — *M.S. CS*

Oregon Tech, 4.0 — *2 x M.S. in Applied Math and EE*

## PROJECTS

### Generic EVKIT Hardware GUI — *For Maxim Integrated*

Built a tool to automatically generate EVKIT GUIs' register maps by parsing data in Contour. GUI is generated and ready to go on day one of new silicon.

Made a spinoff of the tool to generate Linux ALSA drivers.

## SKILLS

Embedded HW/SW

Audio

Embedded Automation

DSP

Python

Anaconda

Jupyter

Pandas

ML (scikit, keras, TF)

Swift

C#

MATLAB

C/C++

Linux/Android & ALSA

JS/HTML/CSS

Chinese

## AWARDS

Maxim Toastmaster

2015 Competition

1st Place

San Jose Toastmaster

2015 Competition

3rd Place

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