Eric Chao

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EXPERIENCE

Microsemi   Austin, TX
System Applications Engineer   *08/2014 - 07/2018*

- Provided technical customer support for audio applications ranging from speech recognition to full-duplex voice communication.
- Directly supported field applications engineers and internal R&D teams for debugging and integration of embedded voice processors.
- Designed reference and demonstration voice controlled smart speakers and TV media streamers using a Raspberry Pi.
- Built demonstration software to showcase audio DSP features, and created demos in Python with Amazon's Alexa Skills on AWS Lambda.
- Wrote testing scripts in TCL to verify functionality of audio DSP evaluation hardware.
- Performed and helped define new processes for audio tuning and testing.

AAI Corporation   Austin, TX
Software Engineer I   *01/2013 - 08/2014*

- Built test and calibration software to run on automated test equipment (ATE) for RF products in defense and space applications.
- Used C# and Windows Forms to create modular and scalable ATE software for easy integration of custom hardware requirements.
- Verified measurement performance and functionality of test instruments.
- Supported customers with onsite integration and training.
- Wrote software user's manual and measurement reference manual for ATEs.

Software Engineering Intern   *06/2012 - 12/2012*

- Wrote drivers to interface test software with measurement instruments and switch controllers.
- Created Windows Forms GUIs to expose test routine customization options.
- Modified and debugged C# code for ATEs.

LeTourneau Technologies   Houston, TX
Electrical Engineering Intern   *05/2011 - 08/2011*

- Used C++ to interface a driller's chair control panel and monitoring system with an oil rig simulator.
- Created a top drive drilling motor model program in C# and Visual Basic.
- Assembled and tested Siemens PLC's.
- Organized parts database and datasheets.

EDUCATION

The Coding Bootcamp at UT Austin, Web Applications
Expected graduation date: May 2019

The University of Texas at Austin
Bachelor of Science in Computer Engineering, December 2012
Concentration: Embedded Systems, Computer Design

SKILLS

Proficient programming skills with Python, Tcl/Tk, C#, Java, and C/C++.
Hands-on experience with oscilloscopes, spectrum analyzers, signal generators, and vector network analyzers.