

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.

PROJECTS

Coding Jobs (React.js, Mongoose, MDBootstrap)

github.com/cf512/codingjobs

A job search tool focused on coding jobs and skills

- Utilized the Indeed API to provide job search results and the Google Places API to autocomplete city search location.
- Used Mongoose to store users and their saved jobs.
- Created modular React components to separate code responsibilities.

Fill-In-The-Code (Node.js, Express, Sequelize, jQuery, Handlebars.js)

github.com/echao2012/Fill-In-The-Code

A quiz style coding learning tool where users must choose which blocks of code goes in the correct locations

- Created a dynamic and responsive front-end with jQuery and Handlebars.
- Used Sequelize to store quiz questions, answers, and user quiz history.
- Incorporated the Google Identity Platform to provide user login with a Google account.

EDUCATION

The Coding Bootcamp at UT Austin, May 2019

12-week full-stack web applications development course

The University of Texas at Austin, December 2012

Bachelor of Science in Computer Engineering

Concentration: Embedded Systems, Computer Design

SKILLS

Proficient: JavaScript, React.js, jQuery, Git, HTML/CSS, Python, Tcl/Tk, C#.

Familiar: MongoDB, SQL, Java, C/C++.