

Hong Quan Dinh

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EDUCATION

University of Texas at Dallas
BSc in Computer Science, 3.9/4 GPA

Richardson, TX
Aug. 2018 – May 2022

EXPERIENCE

Software Intern

May 2021 – Present

Text-Em-All

Frisco, TX

- Developed a voice recorder component with timer, voice visualization, and audio playback to let users record, review, save, and send audio message as mass phone call using React and Redux. Implemented all user interface from scratch, using Material-UI components and styled-components.
- Implemented mechanisms to prevent all possible edge cases: disable start button on microphone permission disabled; disable stop button on message not long enough; show countdown warning and stop automatically when recording reaches max length; inform user about non-supported browser or device and link support article.
- This feature is currently used to record about 30 audio messages a day.
- Contributed 21 Pull Requests for two feature projects' front end work as well as several enhancements and bug fixes.

Software Intern

May 2020 – July 2020

RealPage

Richardson, TX

- Wrote and ran Selenium tests in JUnit for new features, increasing test coverage by 65%.

PROJECTS

AskUTD Alexa skill | *Node.js, Alexa Developer Console, AWS Lambda*

- Won 1st place at HackUTD 2019: Amazon Alexa category (30+ submissions).
- Developed an Amazon Alexa skill using Alexa Developer Console and Node.js to get phone number of over 20 school departments based on keywords in users' voice command. (3 other skills from the team are: get real-time parking availability in all 4 parking structures; get office locations and classroom numbers; and get school fun facts.) Skills are hosted on AWS Lambda.

Dear Bess (dearbess.herokuapp.com) | *Node.js, Express.js, Semantic UI*

- Retrieved 980+ letters in JSON format from President Truman to his wife Bess from 1910 to 1959.
- Generated sentiment graph from several sentiment analysis tools and made correlation between sentiment graph with historic events happened in that time frame.
- Developed the web site showcasing the project's findings, methods, and sources using Node.js and Express.js.

HMU | *Java, XML, Android Studio*

- Made a marketplace Android app tailored for UT Dallas community to prevent scams by only allowing keyword reply.
- Implemented ability to list item with images and log in/sign up component.

RGB-Guess (quandinh99.github.io/guess-rgb-game) | *JavaScript, HTML, CSS*

- Created a simple web game to practice matching RGB values to the right colors.

TECHNICAL SKILLS

Languages: Java, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: React, Redux, styled-components, Material-UI, Node.js