

## CONTACT

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## SKILLS SUMMARY

- Scala
- Java (familiar)
- TypeScript
- JavaScript/Node.js
- Express.js
- React and React Native
- Python
- MongoDB (Familiar)
- SQL (Familiar)
- Firebase

## CERTIFIED COURSES\*

- Data Structures and Algorithms; Stanford University (via Coursera)
- Nand To Tetris: Build a Modern Computer from Scratch Part I & II

\*certifications available on LinkedIn

## PROJECTS

- listed on page 2

# DAVID BIGGS

## SOFTWARE ENGINEER

Software engineer with experience in the operation of small businesses seeking to learn from and contribute to a high-performing team.

## WORK EXPERIENCE

### Software Engineer

Buzz Apps LLC | Austin, TX | Jun 2020 - Present

- Built 4 cross-platform mobile apps and a website, generating over 150,000 ad impressions and over 3,000 users.
- Managed finances, legal matters and client relationships.
- Technologies: JavaScript, TypeScript, Webpack, Next.js, Firebase, React/React Native

### Founder

Courio, Inc. | Norman, OK | Aug 2018 - Jun 2020

- Led the development of and contributed over 2,000 lines of code to an online chat system and mobile application. (courio.com)
- Acquired \$75,000 to build a beta product.
- Technologies: Scala, Java, JavaScript, HTML, CSS, Ionic

### Supplier Engineering Intern

Raytheon | Tucson, AZ | Jun 2017 - Aug 2017

- Drove improvements in supplier manufacturing processes, reducing costs for mission critical parts by 30%.
- Obtained Scrum Master Certification.
- Maintained relationships with 3 suppliers.

## EDUCATIONAL HISTORY

### FreeCodeCamp\*

Bootcamp | 2021

\*certifications available on LinkedIn

### University of Mississippi

B.S. in Mechanical Engineering | 2014 - 2018

- Magna Cum Laude
- Sally McDonnell Barksdale Honors College
- Published as an undergraduate research author

# PROJECTS

## Buzzboard (JavaScript, React Native)

- Summary: Soundboard app to play trump quotes.
- View: <https://apps.apple.com/us/app/trump-soundboard-buzzboard/id1522414144>
- Source: <https://github.com/davidgbiggs/BuzzboardTrump>

## Compiler (TypeScript)

- Summary: A compiler for the Jack language, which is a simple object-oriented language based on Java. Analyzes the syntax of Jack programs and generates the corresponding VM code for the Hack hardware platform. Read more here: <https://www.nand2tetris.org/project11>
- Source: <https://github.com/davidgbiggs/JackCompiler>

## Flappy Block (Jack, Object-Oriented Programming)

- Summary: A game built in Jack (a simple object-oriented language) based on the popular Flappy Bird game.
- View: <https://www.loom.com/share/1f78c7437aa34cac8af9a2fa5db60d80>
- Source: <https://github.com/davidgbiggs/FlappyGame>

## TicTacText (Scala)

- Summary: Command-line tic tac toe game.
- Source: <https://github.com/davidgbiggs/TicTacText>

## Issue Tracker (Node.js, Unit testing, MongoDB, Express.js)

- Summary: An issue tracker similar to Github's issue tracking system.
- View: <https://issue-tracker-dgb.herokuapp.com/>
- Source: <https://github.com/davidgbiggs/issue-tracker>

## Metric/Imperial Converter (Node.js, Express.js)

- Summary: API built using express that allows the user to convert between metric and imperial units.
- View: <https://metricimconverter-dgb.herokuapp.com/>
- Source: <https://github.com/davidgbiggs/metricimconverter>

## Random Quote Machine (Bootstrap, JQuery, TypeScript, Webpack, Sass)

- Summary: A beautiful webpage that allows the user to generate random quotes obtained from an API.
- View: <https://condescending-williams-f50210.netlify.app/>
- Source: <https://github.com/davidgbiggs/random-quote-generator>

## Pomodoro Clock (Bootstrap, Sass, React/Redux)

- Summary: A 25/5 clock that runs for x minutes, then y, allowing the user to structure work and breaks.
- View: <https://dazzling-beaver-ea27f9.netlify.app/>
- Source: <https://github.com/davidgbiggs/fcc-clock>