

# MATT DAVIS

SOFTWARE DEVELOPER

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http://mattdavis.tech



mattsplats



mattsplats



users/6630134

## LANGUAGES

- Fluent: HTML5, CSS3, Javascript (ES6 / 2015)
- Proficient: Java, Python 3
- Experience: Haskell, C++, C#

## FRONT END

- Bootstrap, Materialize
- jQuery, AJAX/XHR & APIs
- Templating (Handlebars.js)
- React.js: Flux/Redux, React Router
- React Native (iOS/Android)
- Learning: Angular 2

## BACK END

- Node.js & Express.js
- MySQL, MongoDB
- ORMs: Sequelize, Mongoose
- OAuth / Passport.js
- Websockets / Socket.IO

## ADDITIONAL SKILLS

- AI: Amazon Echo / Alexa SDK, AWS Lambda
- VR: A-Frame (Three.js / WebVR)
- Git/Github, Heroku, Firebase.IO

## COMPUTER SCIENCE

- Quicksort, Mergesort, Heapsort
- Dijkstra, Prim, Kruskal, min-cut, spanning tree, clustering
- Divide & conquer, greedy, dynamic programming, heuristics
- Heap, red-black BST, hash tables, prefix tree, kd-tree, union-find

## EXPERIENCE

### TUTOR, CODING BOOTCAMP

Trilogy Education, Austin TX | 2016 - Present

Online/in-person tutor for Trilogy-hosted bootcamps (Austin/nationwide)  
Taught Javascript fundamentals and web dev topics to dozens of students

### STUDENT, CODING BOOTCAMP

UT Coding Bootcamp, Austin TX | 2016 - 2017

Worked with teams to plan, code, deploy, and present large projects  
Implemented and deployed over 20 complete web applications

## PROJECTS

### VR-ALEXA | [Live](#) | [Github](#)

- Allows you to create a virtual 'pet' and do battle with other pets using Amazon Alexa commands, by a two-dev team
- Created an A-Frame VR scene with React components, Express routing with Socket.IO to push Alexa commands to the front end in real time
- Based on React Router with a Flux architecture and bcrypt authentication

### CHEEVR | [Live](#) | [Github](#)

- Allows users to create their own true-false or multiple-choice quiz and answer questions via Amazon Alexa, by a three-dev team
- Created Sequelize / MySQL database model, public quiz API on Node.js / Express, MVC app architecture, dynamic form fields via jQuery, Login with Amazon via Passport.js, Amazon Alexa skill with authentication

### TYPE OR DIE | [Live](#) | [Github](#)

- Online typing game where users try to keep up with falling words and earn a spot on the global leaderboard, by a three-dev team
- Created word/explosion animations using CSS3 and Velocity.js, AJAX requests to public word source APIs, Firebase.IO data store / Google login

## PREVIOUS EXPERIENCE

### OWNER / A/V PROGRAMMER

CyberCore Custom Tech, Austin TX | 2014 - Present

Design/programming of large (\$20k+) commercial/residential A/V systems

### ELECTRONIC MEDICAL RECORDS TECHNICIAN

Gastroenterology Associates, Abilene TX | 2012 - 2013

Assisted in converting 10k patient records to cloud-based EMR system

### TEST PREP INSTRUCTOR (LSAT)

The Princeton Review, Dallas TX | 2008 - 2011

Taught logical skills, gave presentations at area universities (100+ groups)

## EDUCATION

ALGORITHMS SPECIALIZATION  
CERTIFICATE, WEB DEVELOPMENT  
BACHELOR'S DEGREE, HISTORY

Coursera / Stanford  
UT Austin Coding Bootcamp  
Hardin-Simmons University