

WILLIAM MATTHEW DAVIS

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TECHNICAL SKILLS

- HTML5, CSS3, Bootstrap, Materialize, jQuery, AJAX/XHR, Handlebars.js, React.js/React Native for iOS/Android
- Node.js, Express.js, PHP/Laravel, MySQL/Sequelize ORM, MongoDB/Mongoose (MEAN/MERN/LAMP)
- Javascript/ES6 (fluent), Java, Python 3 (proficient), Haskell, C#/.NET (Microsoft XNA), and C++ (prior experience)
- Amazon Alexa/Echo (Alexa SDK/AWS Lambda), Google Home/Assistant (Actions SDK/Cloud SDK)
- AFrame/WebVR/Three.js, Websockets/Socket.IO, OAuth/Passport.js, Git/Github, Heroku, Firebase.io
- Quicksort/Mergesort/Heapsort, Dijkstra/SCCs/min-cut/Prim/Kruskal, red-black BST/kd-tree/heap/union-find

EXPERIENCE

"VR by Voice"

Present

Amazon Echo/Google Home-controlled games (tic-tac-toe) playable in VR via the AFrame WebVR framework.

- React/AFrame/WebVR, MySQL/Sequelize/Express/Node, Passport.js, AWS Lambda, Google Cloud

"Cheevr"

2016

Need a buddy to quiz you? Create your own quiz online and take it via an Amazon Echo. Question selector algorithm prioritizes questions you do poorly on, making optimal use of practice time.

- Materialize/Handlebars/JQuery, MySQL/Sequelize/Express/Node, Passport.js, AWS Lambda, Heroku/JawsDB
- <https://github.com/mattsplats/Cheevr>
- <https://alexaquiz.herokuapp.com>

"Type or Die"

2016

Type the falling words before they disappear! Improve your typing skills and vie for a spot on the leaderboard.

- Bootstrap/JQuery, Velocity.js/CSS3 animations, public word source APIs, Firebase.io hosting/Google login
- https://github.com/mattsplats/Type_Or_Die
- <https://type-or-die.herokuapp.com>

"Star Wars Hangman"

2016

Test your Star Wars knowledge with our interactive Alexa-based hangman game.

- Alexa Skills Kit/AWS Lambda, Node.js, NPM alexa-app, Heroku
- <https://github.com/mattsplats/StarWarsHangman>

EDUCATION

Coursera/Stanford: Algorithms Specialization

Present

UT Coding Bootcamp, Austin, TX

Certificate, Web Development

Hardin-Simmons University, Abilene, TX

Bachelor's Degree, History

PREVIOUS EXPERIENCE

CyberCore Custom Tech, Austin, TX

Owner / A/V Programmer

2014 – Present

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

Gastroenterology Associates, Abilene, TX

Electronic Medical Records Technician

2012 – 2013

- Provided technical assistance for office-wide EMR conversion

The Princeton Review, Dallas, TX

Test Prep Instructor

2008 - 2011

- Taught LSAT logical concepts and test taking skills to Princeton Review students
- Gave marketing presentations to large (100+) groups at area universities