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TYLER S. HOLZER

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TECHNOLOGIES

STRONG: JavaScript · ECMAScript 6 · React · Redux · jQuery · CSS3 · HTML5 · PostgreSQL · Node.js · Passport · Express · RESTful APIs · MongoDB · Mongoose · Git · Agile Development

EXPERIENCED: Backbone · Bootstrap · AngularJS · Ruby · D3 · SQLite · Knex · Mocha · Chai · Grunt · Gulp · Webpack · Amazon Web Services · Heroku · DigitalOcean · LaTeX

RECENT APPLICATIONS

Hackalope · A crowdsourced app for learning to code · Software Developer — hackalope.io
· Implemented React/Redux frontend utilizing Material UI tools and components
· Designed MongoDB schemas and created library of database controllers
· Constructed Node.js/Express server to support frontend queries and views
· Established Passport authentication system for user and administrator accounts

CardCast · A collaborative presentation platform for Chromecast · Software Developer — cardcast.tylerholzer.com
· Refactored legacy AngularJS code and improved UX by implementing key features
· Augmented Node/Express routes to support new Angular modules and directives
· Generated MongoDB/Mongoose queries and schema for storing user data
· Used Chromecast SDK to facilitate communication between sender and receiver

Echoes · A living listening history app · Product Owner and Software Developer — echoes.tylerholzer.com
· Architected and built React app with Bootstrap design to ensure intuitive UI
· Facilitated interaction between user, iTunes API, and PostgreSQL database
· Developed robust Node/Express backend with user authentication system
· Articulated project vision, scope, and UI/UX goals as product owner

PROFESSIONAL EXPERIENCE

Fifth Avenue Committee · Brooklyn, NY · High School Equivalency (HSE) Coordinator — 2011 – 2017
· Developed curriculum and trained NYC educators on teaching through problem-solving
· Designed class schedules, managed staffing, and attended to program budget
· Taught two HSE classes per cycle and coordinated program data collection and reporting

PUBLICATIONS

· Coauthored *Barron's ACCUPLACER Mathematics* — 2017
· Coauthored "Problem Posing and Problem Solving in a Math Teacher's Circle," *Journal of Research and Practice for Adult Literacy, Secondary, and Basic Education,* Spring 2017 — 2017
· Created mathmemos.org, a site for adult education mathematics professional development — 2016
· Coauthored the *CUNY High School Equivalency Curriculum Framework* in Mathematics — 2015

EDUCATION

Hack Reactor · Austin, TX · Advanced Software Engineering Immersive — 2017
University of Nebraska at Omaha · Omaha, NE · Master of Arts · English — 2010
University of Nebraska at Omaha · Omaha, NE · Bachelor of Arts · History — 2005
Relevant Coursework: Calculus I, II, and III; Differential Equations, Mathematical Analysis

PERSONAL

Avid cruciverbalist · Multi-instrumentalist · Math education evangelist · Topo Chico enthusiast