Alexander Skinner

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RECENT EXPERIENCE

Scheduling Software / Payment Gateway / Web Application
Tender Touch Mobile Auto Detailing LLC - https://www.tendertouchdetailing.com/
- Algorithms designed in JavaScript to optimize appointment availability
- RESTful API written in Node.js with Express Middleware to connect HTTP requests
- Payment solutions integrated with Stripe with secure server-side payment calculations
- MongoDB back-end to store service, appointment, and analysis related data
- Deployed via AWS on two EC2 instances, separating the client and server

Photo Submission Approval Client / Web Application
Bethany Memorial Association - https://www.bethanymemorialassociation.org/
- Responsive design built with React using life-cycle hooks and SASS for styling
- File storage built with MongoDB database, multi-part form submission handled with Multer Middleware
- RESTful API written in Node.js with Express Middleware to handle photo submissions and administration control of submission process
- Unit Testing written using Enzyme with Jest

Algorithm Visualizers
- https://skinnerap.github.io/PathFinder-Visualizer/
- https://skinnerap.github.io/Sort-Visualizer/
- Project highlights deep understanding of fundamental algorithm design and implementation in JavaScript

WORK EXPERIENCE

Freelance Employment   Mar. 2016 – Present
Full Stack Web Developer   *Richmond, VA*
- Build relationships and consult clients
- Design algorithms to solve unique problems in JavaScript and TypeScript
- Design responsive web applications with React using CSS and SASS
- Deploy applications via AWS on EC2
- Manage back-end databases (MongoDB, Firebase)

Richmond Restaurant Group Inc.   Apr. 2017 – Mar. 2020
Assistant General Manager / General Manager   *Richmond, VA*
- Manage daily financial records
- Manage hiring process of all incoming employees
- Manage daily operations and service

EDUCATION

Virginia Commonwealth University   2014-2016
Incomplete (82 credits completed), Statistics   *Richmond, VA*
- Completed 21 credits of Computer Science classes

FURTHER EDUCATION (Online Certifications)

Advanced JavaScript   2020
Understanding the Weird Parts by Anthony Alicea   *Online*

- Deep learning of the scope chain, the execution context, and the execution stack
- Exploring of classical vs. prototypal inheritance
- Building frameworks from scratch

React   2020
The Complete Guide by Maximilian Schwarzmuller   *Online*
- Full exploration of life-cycle hooks, React hooks, Redux, and class-based / functional components
- Learning Ezyme using Jest to write unit tests
- Working with NextJS to handle server-side rendering

Advanced CSS and SASS   2020
Grid, Flexbox, Animations, and More by Jonas Schmedtmann   *Online*
- Responsive designs with Grid and Flexbox
- Using variables, nesting, mixins, extends, and functions with SASS

MongoDB   2020
The Complete Developers Guide by Maximilian Schwarzmuller   *Online*
- CRUD operations, querying documents, using projection to optimize bandwidth, working with arrays
- Designing schemas, understanding datatypes and relationships (one to one / one to many / many to many)
- Working in the shell