Alex McComb

Salt Lake City, UT

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Software Developer

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Skills

Languages: JavaScript, HTML, CSS, Python, SQL

Front-End: React, React Native, Redux, jQuery

Back-End: Node.js, MongoDB, Mongoose, Express, SQL, Contentful Headless CMS, GraphQL

Tools: Git / GitHub, Heroku, testing with Mocha & Chai, responsive design, ESRI Suite, Mapbox GL, Leaflet, ArcGIS JavaScript API, Deck.gl, ElasticSearch, Moment, Lodash, Stripe, Postman, SASS, accessibility, TravisCI

Personal Projects

Peek | GitHub: A full stack app where registered users can search for hikes. Built with React, Redux, Node/Express, MongoDB, React-Leaflet, & Mapbox.

3D Roadkill Incident Map | GitHub: An app created from roadkill data across the state. Allows users to explore and filter the data with an awesome 3D visualization of where the incidents occurred. Built with React, Redux, MapBox, Deck.GL.

Education

Thinkful   **Remote**
Full-Stack Web Development Program
2018 - 2019
• Learned industry best practices and practical software development standards with a focus on HTML, CSS, JavaScript, jQuery, Node.js, React.
• Mentored several hours every week one on one with a senior software developer.

University of Utah   **Salt Lake City, UT**
Masters in GIS   **2015 - 2018**
• Concentration in GIS computer science topics such as development with JavaScript, HTML, CSS, and RESTful services, database design and management with SQL, and automation scripting with Python.
• MSGIS Capstone - Built an open data website for Wild Utah Project using ArcGIS Server / Online / Hub, HTML, CSS, and published data using Python.

Experience

Impossible Bureau   **Salt Lake City, UT**
Software Developer   *July 2019 - Nov. 2020*
• Carrying out development as the sole developer for a full stack website communicating directly with the client.
• Main developer on a feature for purchasing museum tickets through Ticketure and handling the checkout.
• Leading a feature for a React Native app with beacons to display location based content coming from a Contentful CMS.
• Working on a variety of full stack projects from the start using mostly React, React Native, Redux, & Node.js.

Department of Wildlife Resources   **Salt Lake City, UT**
GIS Technician II   *Sep. 2017 - July 2019*
• Creating interactive web apps with React, Mapbox, Deck.gl, Web AppBuilder, ArcGIS JavaScript API, ArcGIS Online.
• Utilizing Python to automate updating, enriching, and uploading data with Pandas and ArcPy.
• Managing a statewide database with SQL and SQL Server Management Studio.

GIS Technician I   *Sep. 2016 - Sep. 2017*
• Sensitive species data management and cleaning with Python.
• Spatial analysis and map creation with ArcGIS Pro and RDBMSs.