

WAYLAN HEDINE

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TECHNOLOGIES

Front-End: HTML, CSS, JavaScript, jQuery, React, React Native, D3, Bootstrap, Sass/SCSS; **Back-End:** Node, Express, MongoDB, Mongoose, Passport, Mocha, Chai, Helmet; **Other:** Git, mLab, TeX, CMD

SELECTED PROJECTS

Anonymous Message Board

- Developed web server using the Node web framework Express for a flexible web application.
- Implemented ODM Mongoose, providing a straight-forward, schema-based solution to model data.
- Used the database-as-a-service mLab, with AWS provider, for a seamless provision of a cloud DB.
- Performed unit testing with Mocha and Chai for structured and automated behavior checks.
- Secured the app with Helmet's middleware functions to set a multitude of HTTP headers.
- Encrypted passwords against attacks for the comfort of clientele using bcrypt's hashing algorithm.
- Designed a UI with jQuery that paired well with CRUD operations to enhance the user experience.

Instant Messaging App

- Created the network application with Node for an asynchronous event driven JavaScript runtime.
- Socket.IO server implementation enabling real-time, event-based communication.
- Used MongoDB's data model to work with data intuitively, allowing scalability, for data storage.
- Managed secure authorization - GitHub OAuth, Passport.js - for user access without the credentials.

Cryptocurrency App

- Assembled components in React Native allowing for a mobile build, using only JavaScript.
- Engineered a Fetch API to provide an interface for fetching cryptocurrency resources externally.
- Organized the layout and navigation to build an app for a clean user interface and experience.

EDUCATION

BACHELORS (2017): MATHEMATICS

University of Minnesota - Twin Cities, MN

ASSOCIATE OF ARTS (2014): GENERALS

Alexandria Technical & Community College, MN

PREVIOUS WORK EXPERIENCE

WRIGHT TREE SERVICE : Line Clearance Trimmer/Driver - Cripple Creek, Colorado, 2017-2018

- Climbed and fell trees while operating equipment, following objectives from administration.
- Maintained expensive machinery and adhered to extensive safety protocols for power line work.

ADVANCE O&P : Laborer/Receptionist - Alexandria, MN, Summer 2016

- Handled expensive materials and molded them into special devices for individual clientele.
- Entered important client information into specific software, managing file organization.

ARROWWOOD RESORT : Convention Supervisor/Cook - Alexandria, MN, 2010-2016

- Prepared and monitored rooms for a variety of gatherings to accommodate all customers.
- Set up audio and visual equipment for guests and also I.T. needs related to personal devices.

PETE'S COUNTY MARKET : Grocery/Frozen/Receiving - Alexandria, MN, 2007-2010

- Oversaw evening store operations, including staff assignments and ordering needed products.
- Delegated tasks to teammates, optimizing productivity and reducing man hours, to benefit the store.