# 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):** GENERAL                         Alexandria Technical & Community College, MN

## PREVIOUS WORK EXPERIENCE

WRIGHT TREE SERVICE : Line Clearance Trimmer/Driver - Cripple Creek, Colorado, 2017-2018
- Climbed and felled trees while operating equipment, following objectives from administration.
- Maintained expensive machinery and adhered to extensive safety protocols for power line work.

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.

## CERTIFICATIONS

**freeCodeCamp:** *Responsive Web Design, JavaScript Algorithms and Data Structures, Front End Libraries, Data Visualization, APIs and Microservices, Information Security and Quality Assurance, Full Stack*