

# Jason H. Carrington

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<https://jasoncarrington.me>

Node.js full stack developer, with the skills to develop on mobile react-native; on the web, React and Angular; In the middle, node.js Express and AWS Serverless. App developer with native Android and IOS experience combined with React Native experience. While also, managing teams using standard software. I am interested in a software developer position that expands my programming skills.

## Education – University of Wisconsin-Madison

- **B.S. Computer Science** expected December 2020
- **Major GPA 3.032/4.0**
- **Cumulative GPA 3.151/4.0**
- **Mathematics certificate** expected December 2020

## Experience/Leadership

**Full Stack software Engineer Intern at TASC** during the summer of 2020.

- **Backend – AWS Serverless**
  - Implemented various functionalities such as new state transitions
  - Worked on multiple bugs, which included analyzing AWS cloud watch, analyzing **Raygun** issues, and writing queries in **MySQL** Workbench
  - Created multiple unit/integration tests
- **Frontend – Angular**
  - Used component-oriented development to add UI functionality
  - Created multiple unit/integration tests

**Windows Systems Engineer Intern at Uline** during the summer of 2019.

- **Server Install Script**
  - Used Python to setup PXE boot options
  - Used batch scripting to gain connection to setup the server through a local network
- **Server database manager**
  - Successfully compiled multiple servers, databases, tables, and columns into one interface
  - Wrote SQL queries to search through all items given a user input
  - Generated SQL queries to compile and join all selected data into an exportable csv file.

**Head of Engineering at Birdwell Solutions** May 2019 - present.

- Led a team of ten developers, throughout various projects ranging from React Native apps to React apps to Express backends.
- Utilized JIRA Software to manage teams with an agile mindset.
- Trained new developers by providing hands on experience and helpful resources.
- Works as a full stack NodeJS developer.

Cofounder and lead app developer of Mosaic. Mosaic is a social media based art ecommerce platform, made to gain experience and train developers, but is available on the app stores.

- **Backend – NodeJS Express, connecting to MongoDB**
  - Automatic push notifications
  - Modified MongoDB schemas as needed
  - Stripe payment system
- **Frontend – React Native**
  - Attached multiple images and videos to posts
  - Sent Push Notifications
  - Implemented Stripe checkout
  - Developed an infinite feed of data for both logged in and logged out users.
  - Dynamic color picker which allowed the user to configuration they're theme however they want.
  - Built user interactions such as liking and commenting.
  - Achieved a good understanding of animated user interfaces and project structure.
- View app downloads and more information at <https://jasoncarrington.me/mosaic/>

Worked with web developers to create a react native android/IOS ecommerce app called Smilemail.

- Learned how to create libraries and generate cross platform UIs.
- Successfully used stripe to communicate checkout information to an API securely.
- View app downloads and more information at <https://jasoncarrington.me/smilemail>

View additional information about my programming experience on my open source portfolio at <https://jasoncarrington.me/>

## Computer skills

Good teaching and communicational skills

**Operating Systems:** Windows, Mac OS X, Linux

**Programming Languages:** Java, Javascript/typescript, C, Swift, Python

**Frameworks:** Node.js (React and React Native), Angular, AWS Serverless

## Activities

**DataMatch student organization.**

UW-Madison Ski club.

Theta Delta Chi Fraternity, Participated in Humorology, 2 years.

## Related Courses

- **Object-Oriented Programming Language**
- **Intro to Computer Engineering**
- **Machine Organization and Programming**
- **Intro to Numerical Methods**
- **Elementary Matrix and Linear Algebra**
- **Intro to Algorithms**
- **Intro to Artificial Intelligence**
- **Software Engineering**
- **Computer Graphics**
- **Intro to Operating Systems**
- **Intro to Cryptography**