

# Brian Dennis

bsdennis@wisc.edu • briandennis.io

## EDUCATION

---

### University of Wisconsin – Madison

B.S. Computer Science, B.S. Applied Mathematics

December 2017

GPA: 3.65 (Dean's List every year)

Key Classes: Software Engineering, Networks, Operating Systems, Artificial Intelligence, Cryptography, Algorithms

## EXPERIENCE

---

### Ionic

Intern Developer

May 2016 – January 2017

- Full stack development launching and maintaining several high traffic production web applications.
- Wrote Node.js tooling for parsing and generating documentation for all Sass variables in the Ionic Framework.
- Built the UI logic and backend service responsible for syncing user profile image updates with Amazon S3.
- Worked primarily in JavaScript (Angular, Node.js, Express), Python, MongoDB, PostgreSQL, and Docker.

### UW-Madison IoT Lab

Undergraduate Researcher

September – December 2015

- Developed an innovative hybrid mobile application for displaying fitness analytics gathered from microcontrollers and sensors mounted on gym equipment.

### Steinhafels

Software Engineering Intern

May - August 2015

- Built various internal tools and applications for organizing and processing business data.
- Developed the system responsible for calculating the bonuses of 500+ employees.
- Generated 1000x performance boost by optimizing SQL queries on several mission critical services.

## PERSONAL PROJECTS

---

### Cascade JavaScript (Angular, Electron, Socket.IO)

- Cross platform desktop application for bringing content and communication together
- First place at the Qualcomm Innovation Competition, won \$12k in funding

### Kastly JavaScript (React, Redux, Express), MongoDB

- A single page application for creating and sharing podcast playlists
- Employs functional programming and immutable data to simplify state management

### CourseGuide+ JavaScript

- Chrome extension for viewing Rate My Professors analytics on the UW-Madison course guide
- ~ 500 active users

### What to See? JavaScript (React, Brain.js)

- Web application that uses artificial intelligence to recommend a movie based on user submitted ratings
- Uses a neural network to make predictions

## ORGANIZATIONS

---

### Transcend

Officer (Events Team Lead)

- Responsible of leading the organizing team for all events including the school's first student-run innovation competition with over \$50k in sponsorship.

### MadHacks

Administrator

- One of the leaders running MadHacks, the school's first MLH sanctioned hackathon where over 300 students attended from all over the country.

## LANGUAGES

---

**Proficient in** JavaScript (React, Redux, React Router, Node.js, Express), Go, HTML 5, CSS 3 (Sass)

**Experience in** Python, Elixir, AngularJS, C, Java, SQL, MongoDB, Docker