

# Brian Sherbert

732-580-2350 | bsherbert12@gmail.com

[bsherbert.github.io](https://bsherbert.github.io)

## Education

---

### Rutgers University, School of Arts and Sciences | New Brunswick, NJ

- Bachelor of Science, May 2020
- Double Major: Computer Science, Information Technology & Informatics
- GPA: 3.23/4.0
- Honors: Dean's List, Fall 2018 – Spring 2020

### Brookdale Community College | Lincroft, NJ

- Associate of Science, August 2014
- Major: Mathematics

## Projects

---

### Digit Classifier | [www.digitclassifier.com](http://www.digitclassifier.com)

- Designed a game for users to draw numbers as answers to simple math questions
- Built a perceptron that reads the user's drawings and identifies their response
- Utilized a MongoDB database to store and retrieve training information for the perceptron
- Employs past user input as training data to continually increase the perceptron's accuracy
- Deployed using a Node.js droplet on DigitalOcean

### A\* maze traversal | [bsherbert.github.io/A-star-maze-traversal](https://bsherbert.github.io/A-star-maze-traversal)

- Developed an interactive site to visually demonstrate the A\* pathfinding algorithm
- Created an interface for users to design their own mazes or generate random ones
- Applied animations to show the projected path at every step of the algorithm

## Skills

---

**Languages:** Java, Javascript, C, HTML, CSS, Python, SQL

**Technologies:** React, Git, Node.js, MongoDB, Express.js, MySQL

## Work Experience

---

### National Field Network | Howell, NJ

*Data Entry Clerk, Dec 2015 – Nov 2017*

- Reviewed contractor submissions to ensure quality and completeness of work
- Communicated with field workers to resolve on-site issues

### Tradewinds Motor Lodge | Lavallette, NJ

*Night Attendant, Jun 2015 – Sep 2015*

- Oversaw the establishment as the sole attendant throughout the night
- Resolved all guest requests while maintaining cleanliness of the property