

# ELIJAH MENTCH

West Bend, WI · emmentch@gmail.com · (414)-430-4360 ·  
<https://elijahmentchwebsite.azurewebsites.net/>

## EDUCATION

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**University of Wisconsin-Madison**  
BS Computer Science *GPA: 3.7*

Madison, WI  
September 2017 - May 2020

## SKILLS

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Languages:	Java, Python, JavaScript/CSS/HTML, C, PHP, C#, SQL
Technologies:	Azure, Bash, Git
Frameworks/Libraries:	ASP.NET Core, sqlite3, .NET Core, Bootstrap
Soft Skills:	Goal Oriented, Verbal/Written Communication, Analytically Driven

## PROJECTS

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**2048 Game** *JavaScript/CSS/HTML* <https://elijahmentchwebsite.azurewebsites.net/Game>  
A clone of the hit game '2048', uses cookies to save high score between sessions

**Console-based Todo List** *Python, SQLite* <https://github.com/emmentch/todolist>  
A todo list application created to better keep track of projects around the house. Implemented using SQLite to store the data and regular expressions to handle user input.

**Text-Based Fighting Simulator** *Java (FX)* <https://github.com/emmentch/RPGGame>  
Implemented a GUI to simulate a MVC modeled text-based game to battle by entering commands into a text field.

**Mock Language Compiler** *Java (JLex/java\_cup)*  
Semester-long school project in which I made a compiler (scanner/parser/semantic analyzer/code generator)

**Mock Language REPL** *Haskell*  
School project in which I made an evaluator, parser, and REPL in a functional programming language

**IPv4 Router** *Python (Switchyard)*  
School project in which I made a simplified router that responded to ARP requests, maintained a route lookup table, and learned routes dynamically to handle the forwarding of Internet data packets

**Graphics Town** *JavaScript*  
School project that utilizes the THREE.js library to create a town of objects using shaders, lighting, meshes, and other graphics components

## EXPERIENCE

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**West Bend Country Club**  
*Cook*

West Bend, WI  
June 2015 - Present

- Worked in a fast-paced environment, prioritizing various tasks and responsibilities at once to prepare food in a timely manner
- Displayed great work ethic and enthusiasm under pressure

**Wisconsin Union**  
*Student Supervisor*

Madison, WI  
October 2017 - March 2020

- Supervised and managed students to guide them and keep them on track and organized to meet production deadlines