

# Benjamin Paul Lynch

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## EDUCATION

### University of Wisconsin-Madison

Madison, WI

Bachelor of Science, Computer Sciences

May 2024

Applicable Coursework: Object-Oriented Programming, Data Structures and Algorithms, Discrete Math, Artificial Intelligence, Databases, Intro to Programming (I-III), Machine Organization, Intro to Software Engineering, UW Madison Capstone Course, Operating Systems, Linear Algebra, Engineering Statistics

Certifications: CompTIA A+ (2024, In progress)

### Technical Skills

Programming Languages: Java, JavaScript, C, Python, HTML, CSS, TypeScript, SQL

Frameworks & Technologies: Git, Agile, Docker, AWS Solutions Architect, Pandas, NumPy, Spring Boot, CI/CD, Angular, CRUD, Next.js, React, Microsoft 365, Jira, JSON, APIs, macOS, Microsoft Windows

## WORK EXPERIENCE

### University of Wisconsin-Madison

Madison, WI

*Credit Evaluation Services – Student Assistant*

November 2020-May 2024

- Collaborate with administrators and student co-workers to prepare UW Madison and prospective transfer student records for credit evaluation and reevaluation
- Engage key customer collaboration skills to address questions and concerns from clients in a timely manner while ensuring customer satisfaction
- Proficient in various technologies including Student Information Systems, Customer Relationship Management (CRM), and Cisco Jabber/Finesse
- Maintain knowledge and strict compliance with federal student privacy (FERPA) regulations with no infractions and upholding confidentiality standards
- Participated in multiple job search committees for both student and full time staff that required reviewing of resumes and arranging/completing interviews

### Anytime Fitness & Indoor Turf

Edina, MN

*Facilities Attendant*

June 2019-August 2020

- Cleaned and sanitized different areas of 24 hour gym as well as the attached indoor turf facility to maintain a high standard of cleanliness and hygiene
- Maintained comprehensive knowledge of and diligently enforced facility policies and procedures to ensure a safe and compliant environment to the best of my ability
- Monitored and reported inappropriate access to facility in accordance with policies to prevent unauthorized access and ensure security

### PLH & Associates LLC Construction Services

Edina, MN

*Lead Worker & General Laborer*

June 2016-June 2019

- Successfully implemented comprehensive demolition and construction plans for a diverse range of commercial and residential building projects
- Effectively leveraged strong communication and leadership skills to guide and motivate subordinates, ensuring the timely conclusion of all assigned tasks
- Set up computer networks and various other technological systems at jobsites and finished spaces, ensuring seamless connectivity throughout the project areas

## PERSONAL PROGRAMMING PROJECTS

### Online Yahtzee

<https://github.com/benl17/Yahtzee-Game>

TypeScript, React, Next.js, MySQL

- Included single player with the ability to play a CPU that averages a 210 score as well as multiplayer using Pusher that allowed for players to see real time moves
- User could create accounts with their passwords encrypted that would track all their stats for any given game as well as local play where up to 4 players could play
- Leveraged Next.js and MySQL to store game stats for each user including win/loss rate, average score, highest score, and the average number of Yahtzee's per game

### Personal To Do List

<https://github.com/benl17/Java-and-SpringBoot-Projects/tree/main/ToDo-List-SpringBoot>

Java, Spring Boot, Angular, MySQL

- Multi page Personal To Do List site that allows users to create a task with a name, due date and importance level that would change color depending on number
- REST API that leveraged MySQL and Spring Boot to implement CRUD operations so users could update a tasks due date, name, and importance in real time

### Personal Portfolio Website

<https://github.com/benl17/benl17.github.io>

JavaScript, HTML, CSS

- Personal website that displays my experience, skills, education, and past projects, resume as well as links to my GitHub and ability to email me
- Used JavaScript to create buttons on main page to take users to certain page they clicked as well as arrows on each page to take them to the next page

### Interactive Weather Chrome Extension

<https://github.com/benl17/Weather-Chrome-Extension>

JavaScript, HTML, CSS, Chrome Extension, JSON, Openweather API

- Created a Google Chrome extension that utilizes the user's location to display current weather conditions, current temperature, feels like temperature, and wind speed
- Leveraged the Openweather API that intakes the user's longitude and latitude and returns a JSON file and used HTML/CSS to style the chrome extension

### Teeko Game AI Player

<https://github.com/benl17/Python-Projects/blob/main/TeekoGameAI.py>

Python

- Developed an AI player for the game Teeko that reacts to the players actions and plays the optimal move based on the game board using a minimax algorithm
- Game is ran through the computer terminal where the player can select a board position using row and column selectors with the AI making a selection after

## EXTRACURRICULAR ACTIVITIES

### Chi Psi Fraternity

Madison, WI

Alumni Member

October 2020-May 2024

- Participated in brotherhood events including philanthropy and activism to better the community around me fostering strong relationships with others
- Helped create a weekly meeting with 2 other brothers called Chi Psychology where brothers could meet to talk about challenges they're facing in their life

### PC Building and Maintenance

Personal and Commercial use

2017-Present

- Researched, selected, and assembled optimal hardware components tailored to the computers use-case for best performance, compatibility, and cost efficiency
- Diagnosed and repaired hardware and software issues to ensure that computers operated at peak performance while minimizing downtime

## INTERESTS

- Professional sports including NHL, F1, PGA Tour, Premier League, NFL, College Football as well as video games such as F1, Halo, and FIFA
- Keen interest in Poker, Euchre, Cribbage, Hearts, Game of Thrones, and fantasy football as well as cooking a variety of dishes from around the world