

# 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

### Technical Skills

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

Frameworks & Technologies: Git, Linux, Agile, Docker, AWS Solutions Architect, Pandas, NumPy, MySQL, CI/CD, Full Stack, Next.js, React, Pytorch, Jira, Jest

## 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 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
- Entrusted with keys to secure sites after hours, demonstrating a high level of organization and responsibility in maintaining site security and integrity

## PERSONAL PROGRAMMING PROJECTS

### Online Yahtzee

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

### Final Grade Calculator

JavaScript, HTML, CSS

- Integrated JavaScript with HTML and CSS to create a more dynamic and visually appealing user interface, enhancing the overall user experience
- User can input their desired final grade and final exam or project weight to calculate the required score needed to achieve their goal

### Personal Portfolio Website

JavaScript, HTML, CSS

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### Shortest Distance between Major Cities

Java

- Users were given the ability to choose two cities out of a 120 city database and would be shown the shortest route between the two including distance and time
- Implemented Dijkstra's shortest path algorithm to achieve the project vision by optimizing route calculations and improving overall system performance

### Computer Shell Implementation

C

- Created a personal computer shell based upon the default Linux shell that had a variety of commands and processes allowing users to create a personal file directory
- Commands included cd, ls, fg, bg, jobs, pwd, cat, echo, as well as the ability to start jobs in the background and put jobs to sleep for a set amount of time

## 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

### National Kart Racing

Route 66 and Local Races

- Participated in regional and national Go-Kart races in conjunction with teammates, improving performance and gaining valuable racing experience
- Collaborate with teammates and pit crew to implement most effective kart setup and strategize best race strategy to ensure peak performance

## 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