

David Hartley

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EDUCATION

Lake Washington Institute of Technology

B.S. in Computing and Software Development

Kirkland, Washington

Graduated, June 2024

- **Concentrations:** Front and Backend Development
- **GPA:** 3.86/4.00
- **Related Coursework:** Data Structures & Algorithms, Big Data Application Development, Cloud Computing, Web Applications Development, Operating Systems Concepts, QA Methodologies, Data Analytics, Database Modeling and Design, Big Data Applications.

PROJECTS

Weather App (React.JS, JavaScript, CSS, HTML)

July 2024

- Developed a dynamic weather application using React JS, integrating real-time weather information from API databases based on user input.
- Implemented a user-friendly React Calendar, enabling users to select dates within a 300-day range from today, ensuring date validity.
- Integrated Google Maps API to allow users to pinpoint exact locations for weather data retrieval based on selected coordinates.
- Utilized WeatherAPI to fetch and display weather data, processing JSON responses to present detailed weather information on the user interface.

End-to-End Tournament Bracket Application (C#, JavaScript, CSS, HTML, MySQL)

Mar. 2024 - June. 2024

- Using the Microsoft Azure framework, developed a webpage that will generate an interactable tournament bracket.
- Used Azure Blob storage to hold image files that the users can upload for participant pictures.
- Designed a user-friendly web interface for creating and managing tournament brackets solely with HTML, CSS, and JS.
- Utilized Azure SQL Server and Database for storing and retrieving tournament data efficiently.
- Web application published using Azure App Services ensuring availability from any user.
- Project iterations fully made in GitHub.
- Project received positive feedback from users for its intuitive interface and functionality.

Serverless Web Application on AWS (HTML, CSS, Python, MySQL)

Feb. 2024 – Mar. 2024

- Developed a scalable serverless web application using the AWS infrastructure.
- Utilized AWS tools such as Lambda, S3, RDS, API Gateways to have a fully functional web page.
- Used AWS S3 bucket to host a static webpage containing the HTML/CSS files used in the application.
- AWS RDS (Relational Database Service) runs a MySQL database containing our user data and login information.
- Developed Lambda Functions written in Python to handle backend logic and data processing, such as user login validation and creating new users.
- Utilized AWS API Gateways to create RESTful APIs for communication between our frontend and backend.
- Allowed users access to our webpage from any origin with CORS (Cross-Origin Resource Sharing).

Scheduler (Java)**Dec. 2023**

- Simulated First Come First Serve (FCFS), Shortest Job First (SJF), Shortest Time to Complete First (STCF), Round Robin, and Multi-Level Feedback Query (MLFQ) operating system scheduling algorithms.
- Calculates the Average Turnaround time and response times for each scheduling method.

IMBD Clone Website in ASP.NET Core (C#, JavaScript, CSS, HTML, MySQL)**Nov. 2023-Dec. 2023**

- Designed and developed a dynamic web application that uses the ASP.NET Core framework with the Model-View-Controller (MVC) architecture.
- End-to-end project that followed the full development cycle.
- Seamlessly integrated data from an external API to enhance user experience with real-time data.
- Utilized Azure SQL Server and Database for storing and retrieving movie and show data efficiently.
- Used ASP.NET Core Identity Framework to ensure that only users with created accounts have access to the webpage.
- Hosted through Microsoft Azure to have an actively deployed webpage.

AI for Tic-Tac-Toe Game (Java)**Dec. 2019-Jan. 2020**

- Developed two different AIs for a game of Tic Tac Toe. The Two AI models are a Game Tree AI and a Cup AI
- Implemented a Tree Data Structure to resemble all the possible moves in a game of Tic Tac Toe with each move holding data for wins, losses, and draws for all future moves to find the best next move.
- Also developed a second AI called Cup AI, that uses heuristic strategies to make the best next move. This AI uses multi-threading to learn as the game is being played.
- Users can play on the console or play in a GUI using the Swing UI library in Java.
- Users have the choice to play locally with another person or one of the two previously mentioned AI's.

SKILLS

Programming: Java, JavaScript, C#, Python, C++, C, HTML/CSS, MySQL, Node.js, React JS, Django, PySpark

Tools: IntelliJ, Visual Studio, PyCharm, MySQL, Eclipse, AWS, Microsoft Azure, Git, Linux Environment, Junit, Selenium, Databricks

WORK EXPERIENCE**The Home Depot****Bothell, Washington***Freight Associate**Feb. 2023- Current*

- Play a pivotal role in ensuring the efficient flow of merchandise through the store.
- Responsible for unloading, organizing, and stocking all incoming merchandise shipments to the sales floor.
- Assisted in maintaining accurate inventory records. This was done by identifying discrepancies and collaborating with managers to correct issues found.
- Work seamlessly in a team of ten plus employees. Communicated regularly to coordinate tasks, address challenges, and achieve daily goals and tasks.
- Maintain a safe, clean, and organized environment for customers and employees.
- Prevent store losses and shrink by ensuring on-hand counts are accurate and shelves are stocked correctly.

- Provided exceptional customer service when assisting customers with locating merchandise, answering questions about products and guidance on product selection.
- Adhered to all safety protocols and guidelines to create a safe working environment for everyone in the store.
- Learned and received optional licenses for Reach Lift Truck, Pacer Lift Truck, Order Picker, Ballymore Electric Ladder, and Electric Pallet Jack.

Uncle Peteza's Pizzeria

Bothell, Washington

Manger

Feb. 2020-Aug. 2022

- Orchestrated daily operations, including food preparation, inventory management, and staffing, to ensure a smooth functioning of the pizzeria.
- Developed and implemented operational procedures and standards to streamline daily processes and enhance store efficiency.
- Conducted regular inspections of equipment and workstations in accordance with health and safety regulations and standards.
- Demonstrated strong leadership, communication, and problem-solving skills, driving operations excellence and customer satisfaction.
- Successfully managed a diverse team, optimized resources, and fostered a culture of continuous improvement, contributing to the overall success and reputation of the pizzeria.

Inchin's Bamboo Garden

Bothell, Washington

Busser, Food Runner, Host, and Server

Sept. 2018-Jan. 2020

- As a Busser I supported the front of the house operations by clearing tables, resetting dining areas, maintaining cleanliness and health standards, and kept stations clean throughout shifts.
- As a Food Runner I ensured accurate and efficient delivery of orders to guests, maintaining presentation and food handling standards and protocols.
- As a Host I greeted guests upon arrival, managed reservations and food delivery and online orders, guided guests to their tables, and kept a friendly and warm hospitality to all guests.
- As a Server I provided attentive and personalized service to guests, providing expert knowledge of the menu, ingredients, and preparation methods to accommodate dietary restrictions.
- Being a versatile employee fulfilling multiple roles, I contributed to a seamless operation and excellent dining experience for guests. My experience encompasses a diverse range of responsibilities aimed at providing a positive impact to all ends of the restaurant's processes.
- Demonstrated strong communication, teamwork, and customer service skills. I thrived in the fast-paced environment, adapting quickly to changing priorities and collaborating effectively to achieve goals.