David Hartley

David.hartley31@gmail.com | (425)-321-7290 | LinkedIn: linkedin.com/in/david-hartley31/| GitHub: github.com/hartleydavid

EDUCATION

Lake Washington Institute of Technology   **Kirkland, Washington**
B.S. in Computing and Software Development   *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), Shorted 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.