

# 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

### Portfolio Website (React, Node.js, GraphQL, MongoDB, Docker, Vercel, Render) Feb. 2025 – Mar. 2025

- Designed and developed a fully responsive portfolio website to showcase my professional experience, technical skills, and projects.
- Built a GraphQL API backend using Node.js and Express, with a MongoDB database used for storing projects. Deployed securely via Render integrated with my Github repository for automated deployments.
- Backend deployed and built using docker containers.
- Integrated a React.js frontend styled with Tailwind CSS that is deployed on Vercel featuring dynamic project rendering via backend API. Vercel is integrated with Github repository for automated deployments.
- Implemented a secure API key-based authentication to restrict access to my backend and projects. Uses a proxy0based internal API route on the frontend to hide sensitive credentials from the public.
- Ensured full mobile and cross-browser compatibility so the site can be reached from any device

### 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.

**IMDb 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**

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### **The Home Depot**

*Freight Associate*

**Bothell, Washington**

*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**

*Manger*

**Bothell, Washington**

*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**

*Busser, Food Runner, Host, and Server*

**Bothell, Washington**

*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.