# Leo Hoerdemann

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## Skills

**Programming Languages:** C#, Python, C++, Java, JavaScript, Arm Assembly, and C
**Framework and Libraries:** .NET, Unity, Wwise, Android SDK, React, Astro.js, Node.js
**Tools and Technologies:** Git, Docker, Kubernetes, Jenkins, Jira, Google Cloud Platform, Linux, Ableton
**Databases:** MSSQL/ MySQL, MongoDB, Firestore

## Education

**Michigan State University** – BE in Computer Science, Minor in Computational Math, Minor in Business          2021-2024

## Experience

**IT Intern,** Truly Engaging – Carol Stream, IL | *Asp.NET, C#, MSSQL, Windows Server*          May 2023 – August 2023
- Developed a minimal API service using **ASP.NET** to streamline interactions with an **MSSQL** server for internal use
- Maintained various printing, packaging, and inventory machines and systems daily, reducing down-time

**IT Intern,** Perma-Pipe International Holdings – Niles, IL | *Freshdesk*          May 2022 – July 2022
- Managed IT services for a branch office using **Freshdesk**, **MySQL**, and **VirtualBox** to ensure seamless operations
- Decommissioned, logged, and properly disposed of a backlog of out-of-service devices, improving equipment tracking

**System Engineering Intern,** Easy IT Support – St. Charles, IL | *Windows Server*          June 2020 – December 2020
- Serviced various clients in setting up and maintaining their IT operations, aiding in operation enhancements
- Repaired individual client devices for data recovery or restored continued use

**Warehouse Team Member,** Gibson Electrical – Downers Grove, IL | *Excel*          June 2021 – August 2021
- Built out a robust digital system for inventory locations within the warehouse to prepare orders faster
- Checked in and out various tools and equipment, ensuring all items were logged and functional
- Managed warehouse inventory availability for various sites and jobs ensuring timely availability of proper equipment

## Projects

**UWM IT Datamart Microservice for Bitbucket** | *Asp.NET, C#, MSSQL, Orkes, Jenkins, Docker, Bitbucket*          [Capstone Page]
- Collaborated with United Wholesale Mortgage to create a full stack application for data aggregation surrounding the Bitbucket repositories within the company
- Created a microservice using **ASP.NET**, **MSSQL**, **Docker**, and **Orkes** to collect data on commits, dependencies, frameworks, team activities and more, powering data visualization and future data modeling
- Implemented a **React** and **Node.js** frontend to display insights, aiding in informed decision-making across the company

**ChatGPT Powered Chat Bot** | *Asp.NET, C#, Google Cloud Platform, React, Docker*          [GitHub Repository]
- Developed a Discord chat bot integrated with the **OpenAI API** to provide the latest model to many users at low cost
- Built using **ASP.NET** and hosted on **Google Compute Engine** via a **Docker** container, utilizing **Firestore** and **Secret Manager** for data storage and security

**Unity Based First Person Movement Shooter (ChromaKill)** | *Unity, C#, Ableton*          [Itch.io]
- Contributed as a sound designer on a team of ten over four months to create a movement FPS game in **Unity**
- Created and implemented sound effects using the default unity audio system, enhancing the gaming experience
- Participated in weekly feedback sessions with Bungie to improve game mechanics and development workflows

**Audio Design and Implementation (Spartasoft Studio)** | *Unity, C#, Ableton, Wwise*          [Itch.io]
- Created in **Ableton** and implemented using **Wwise**, audio assets for various game projects across multiple semesters
- Worked on a team of approximately eighty, on games that include 3D, 2D, platformers, party, and networked games

**Reddit Sentiment Analysis Stock Trading** | *Python, Keras, Finance APIs, MongoDB*          [GitHub Repository]
- Collected and stored Reddit posts relating to investing over the course of a month into a **MongoDB** database
- Utilized **Keras** to assign sentiment values to each post
- Implemented a stock trading simulation based on sentiment analysis, achieving a 7% return using real-world stock data