

# Ean Jacob Gayban

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## Education

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### University of Nevada, Reno

August 2019 - May 2023

B.S. Computer Science & Engineering, Minor in Big Data, Minor in Statistics

4.0 GPA, Summa Cum Laude, CSE Scholar Award, Dean's List, Presidential Scholarship

## Projects

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### BETA Universe Systems Initiative Table

August 2021 - May 2022

Vue.js, ASP.NET Core, Microsoft SQL Server

A mobile-optimized companion web application that aims to digitize and streamline components from the tabletop role-playing game "BETA Universe Systems".

- Supports real-time gameplay sessions with multiple players.
- Responsive user interface resizes itself depending on the device used.
- Developed using Agile methodologies in a Scrum development environment, producing [design documents](#) for each stage.

### Hacker News Feed

July 2023 - August 2023

C#, Razor, ASP.NET Core, Microsoft SQL Server

An alternative Hacker News frontend for efficient tracking of interesting content.

- Marks and organizes submissions according to user preferences.
- Provides a user-friendly interface that optimizes for effortless browsing.
- Implements a subscription system that preserves saved articles while the session is active.

### Tournament Tracker

May 2022 - August 2022

Go/Golang, PostgreSQL

An application to track and rank player performance across a series of double-elimination tournaments.

- Used to track rankings of over 90 players across a 30-tournament season, saving over 40 person-hours of manual data entry.
- Provides a frontend interface for viewing tournaments and rankings, and for adding new players and tournaments.

## School Projects

August 2020 - February 2023

An assortment of projects made for various school assignments.

- [C++] [Reliable UDP-based file transfer protocol](#) using stop-and-wait.
- [C++] [Basic RDBMS](#) that supports SELECT, CREATE, UPDATE, DELETE, JOINS, and transactions.
- [C++] A [solver](#) for the [Art Gallery Problem](#) that takes a polygon as input and visualizes its solution in GeoGebra.
- [Python] [YouTube dataset analyzer](#) that provides interactive queries and calculates a degree distribution.

## Professional Experience

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### Lab Purchasing Supervisor

October 2021 - May 2023

Feng Earley Laboratory - University of Nevada, Reno

- Created and maintained a working database of over 90 vendors for lab needs in order to fast-track the ordering process for the lab's research requirements.
- Processed over \$100,000 worth of laboratory purchases and shipments, including hazardous materials, lab and chemical supplies, and specimens.

## Certifications

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### Full Stack Open 2022

April 2022

MongoDB, Express.js, React, Node.js

### Google Data Analytics

July 2022

Excel, R

## Technical Skills

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### Frontend

HTML/CSS, JavaScript, React, Vue.js

### Backend

Go/Golang, C# (ASP.NET Core), SQL

### Databases

PostgreSQL, Microsoft SQL Server

### Tools & DevOps

Git, Docker, Kubernetes