

BAO LAM LE

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LANGUAGES

C++/C

Java

Python

JavaScript

SQL

COURSES

- Algorithms and Data Structure
- Object Oriented Programming
- Artificial Intelligence
- Software Development
- Dynamic Programming

OTHER SKILLS

- Amazon S3
- Amazon Athena
- HTML
- Jquery
- CSS
- Ajax

EDUCATION

University of California | [Riverside](#)

09/2017 - 12/2021

Riverside, United States

PROJECTS

Discord Bot

06/2022 - 06/2022

Uses Amazon Athena to run SQL queries that manipulates data from Amazon S3 to help the Bot with the user commands.

[Back-end](#): Python || [Database](#): Amazon S3 || [SQL](#): Amazon Athena

- A chance game that rewards or take fake discord currency away from players depending on the outcome of the game.
- A "Best in Slot" calculator for New World that allows users to check the probability of getting each individual item through a craft.
- A music bot that follows a user into a discord voice channel and play, queue, skip or stop playing music on demand.

Exploit Linux Vulnerabilities for Root Access

09/2021 - 12/2021

Used old Linux images to gain root access as a normal user. (Done in personal virtual machine)

[Back-end](#): C++

- Used use-after-free and list vulnerability to gain root access.
- View Kernel properties and identify its weaknesses and create an exploit to gain root access of a user's device.

Implement Artificial Intelligence Model to Solve 8-Tile Puzzle

05/2021 - 06/2021

Project to familiarize myself with Artificial Intelligence.

[Back-end](#): C++

- Applied A* path finding algorithm with different heuristics to solve 8-tile Puzzle.
- Applied a brute force algorithm to solve the problem as an opportunity to distinguish good or bad solutions for Algorithms.

Personal Website

10/2022 -

A project to learn web development.

[Front-end](#): React, CSS, Javascript

- Personal Website that store resume information, and other projects that are not listed in resume.