

Korbin Hillan

khillan5223@gmail.com | +1 6615492337

[github](#) | [linkedin](#)

EDUCATION

Software Engineer 3.8GPA

Arizona State University

May 2021 - Present

Tempe, AZ

Associates of Science 3.6GPA

Taft College

May 2020 - May 2023

Taft, CA

SKILLS

Programming Languages: Python | Java | C++ | C | Assembly

Frameworks/Technologies: Bootstrap 5 | Android | JavaFX | SQL

Tools: Bootstrap 5 | Git | Github | Docker | Maven

PROJECTS

korbinhillan.com

Full Stack Developer

July 2024 - Aug 2024

Bakersfield, CA

- **Designed and Developed:** Created a personal website to showcase my resume, projects, and skills using modern web development technologies. Implemented a responsive design using HTML5, CSS3, and Bootstrap to ensure compatibility across devices and screen sizes.
- **Version Control:** Used Git and GitHub for version control, with clear commit history and documentation. Hosted the project repository publicly to demonstrate code quality and best practices.

OBD-2 App

Java, JavaFX

June 2024 - July 2024

Bakersfield, CA

- **API Design and Development:** Designed and developed a Java-based API to interact with OBD-II (On-Board Diagnostics) systems, enabling users to retrieve and monitor vehicle diagnostic data in real-time. Implemented key functionalities such as reading Diagnostic Trouble Codes (DTCs), accessing real-time vehicle data (e.g., speed, RPM, fuel level), and communicating with the vehicle's onboard computer.
- **Hardware Integration:** Integrated the API with various OBD-II adapters (Bluetooth, USB), ensuring compatibility with multiple vehicle models and adapter types. Developed robust error-handling mechanisms to ensure reliable communication between the API and vehicle systems, even under poor connection conditions.
- **Deployment and Version Control:** Managed the project using Git and GitHub, maintaining a clear commit history, versioning, and branch management. Automated build and deployment processes using Maven, ensuring consistent and reliable releases of the API.

Discord Bot-Python

Built Discord bot for discord server

Jan 2021 - June 2021

Bakersfield, CA

- **Bot Development:** Developed a versatile Discord bot using Python and the discord.py library, enabling various functionalities such as server moderation, automated responses, and user interaction features. Implemented custom commands, allowing users to interact with the bot for information retrieval, entertainment, and server management tasks.
- **Event Handling and Automation:** Designed and implemented event-driven features such as welcome messages, role assignments, and automated moderation (e.g., kicking or banning users based on specific criteria). Set up scheduled tasks and reminders using asynchronous programming techniques, ensuring efficient use of server resources.
- **Version Control and Collaboration:** Utilized Git and GitHub for version control, maintaining a clean and organized commit history with clear documentation for future contributors. Encouraged open-source collaboration by publishing the project on GitHub, including detailed README and contribution guidelines.

TODO Task

C++ used linked lists

Jan 2024 - Mar 2024

Bakersfield, CA

- **Task Management Application:** Developed a Python-based task management application utilizing linked lists for efficient task organization and manipulation. Implemented core functionalities such as adding, editing, deleting, and displaying tasks, providing users with a comprehensive tool to manage their to-do lists.
- **Data Structure Implementation:** Leveraged linked lists to store and manage tasks dynamically, optimizing memory usage and allowing for flexible task management operations. Implemented efficient algorithms for task insertion, deletion, and search, ensuring quick access and updates to the task list.
- **User Interaction Features:** Created an intuitive command-line interface, enabling users to easily add tasks with descriptions and due times, mark tasks as completed, and search for tasks by name. Enhanced user experience by allowing real-time updates and feedback on task statuses, including the ability to record task completion times.