

# Ben Kunkle

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## SKILLS

- Programming Languages: Java, Python
- Software Tools: IntelliJ, Visual Studio Code, Vim, Git, Linux

## PROGRAMMING PROJECTS

### Discord Bot — *Personal Project*

Languages and Tools: Java, IntelliJ, Discord API

- Created a Java program that utilized the Discord API to receive commands through messages in server channels
- Different question formats could be chosen based off of the command arguments
- Full sentence questions such as “What is your favorite type of ice cream?” or subjects that were used in multiple question formats such as “What do you prefer, [Subject] or [Subject]?” were selected at random depending on the question format requested
- Replied to the original command issuer with a generated question in the server channel

### Cup of Code, LLC — *Team creating Minecraft Plugins*

Languages and Tools: Java, Spigot API, NoteBlock API, Inventorygui, Git, IntelliJ

- Created a “Doors” plugin that updates the world environment around a player upon entering a predefined area
- Utilized the Spigot API to detect player move events and identify players moving in or out of an area
- Updated the world using server packets for only the player who entered or left the area so other players could not observe the change
- Created the “BoxOfJuke” plugin
- Identified which room on the Cup Of Code Minecraft server the Jukebox item was in and tracked player movement between rooms
- Utilized NoteBlock API to play songs and playlists to only players in the same room as the Jukebox object
- Utilized InventoryGui to allow player interaction with the Jukebox selecting, queuing, playing pausing, skipping, and stopping songs as well as making playlists

## EDUCATION

### California Polytechnic State University

Pursuing Bachelor of Science Degree in Computer Science - Sept 2021 to present

- AP courses for college credit: Calculus BC, Computer Science A, and Physics 1
- Current Courses: Calculus 3 and Data Structures

## WORK EXPERIENCE

Demonstrated excellent customer service, responsibility, dedication, punctuality and initiative through the following employment:

- Camp Counselor - Camp Towering Pines for Boys, Eagle River, WI - Summer 2021
- Golf Counselor - Winnetka Golf Course, Winnetka, IL June 2021 - Sept 2021
- Range Attendant - Winnetka Golf Course, Winnetka, IL Sept 2019 - Sept 2021
- Cashier - Avli Restaurant, Winnetka, IL June 2019 - Sept 2019