

Cole Takayama

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EXPERIENCE

Wonderland Online Escape Room

June 2020 - Present

Web Development Lead | La Jolla, CA

- Arrange & coordinate weekly sprint meetings with a small team of 5, to develop an escape room that guests can experience entirely online.
- Designing & building a web application using the **JavaScript** framework **Vue.js** & **WebSockets** that allows guests to navigate a virtual escape room in real time based on the actions they decide in an online Zoom meeting.
- Coordinate with the other project departments (graphic design, audio visual, actors, etc.) to deliver a cohesive product.
- Developing using agile methodologies & version control (git).

University Website Accessibility Team

February 2021 - June 2021

Consultant | La Jolla, CA

- Evaluated the UC San Diego Library website & developed outlines to ensure the site's accessibility to impaired users based on **W3C** & **A11Y** guidelines.
- Collaborated with the web manager to create meaningful revisions to the site's source code that improved site readability for screen readers such as **NVDA**.

Technical Event Services

March 2019 - May 2021

Audio Visual Technician | La Jolla, CA

- Worked extended shifts (12+ hours) to manage concerts, hackathons, conferences, & other events from start to finish.
- Created a pipeline to allow external applications to be livestreamed through the Instagram app via the use of an **RTMP** server.

PROJECTS

Discord Newsletter Bot

2021

An application that allows users to set & receive weekly reminders through the popular messaging app Discord. The bot uses **Cloud Firestore** as a database to store a list of subscribed Discord users, as well as the personalized reminders that each user sets.

Determining Correlation Between Grades & Drinking

2020

A case study done using **Python**, & **pandas**. Used a series of linear regression tests on a dataset of student's grades & drinking habits to determine if there was correlation between the two features. Summarized findings and generated visualizations within **Jupyter Notebook**.

VelocityRaptor Chrome Extension

2020

A Google Chrome extension written in **JavaScript**, **HTML**, & **CSS** that uses the **GitHub API** to track ongoing tasks in each of the user's repositories. The project remedies the problem of feeling unmotivated to complete tasks by providing users the incentive to complete ongoing tasks in exchange for upgrades to their VelocityRaptor dinosaur.

EDUCATION

UC San Diego | Computer Science, Bachelor of Science

2017 - 2021

- GPA: 3.7
- Relevant Coursework: Advanced Data Structures, Networked Services, Recommender Systems, Database System Principles, Computer Security, Web Client Languages
- *Senior Producer*, Triton Television; *Records Keeper*, Themed Entertainment Association (TEA)

SKILLS

JavaScript | Python | Go | HTML5 | CSS3 | C++ | Java | x86 Assembly | pandas | Vue.js | React.js | SQL | SQLite | Agile/Scrum | SEO/E-Commerce | AWS | Firebase