

ARCHITECTURAL VIRTUAL LIBRARY (AVL) STATEWIDE

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PROJECT INTRODUCTION

The CSU Architectural Virtual Library (AVL) is an online web page designed to educate the public about architectural historic buildings, through a virtual, interactive tour. The AVL has sponsored historic building scans for various cities, but this specific internship includes nine sites throughout the entire state of Colorado. This approach to the internship—selecting sites across the state rather than focusing on a single city—celebrates Colorado's diverse and unique history while highlighting important aspects of its heritage statewide. The intern completes site visits and site research to create the virtual tour. Another aspect of the project is community engagement. This is encouraged through interactions with licensed Colorado teachers in elementary, middle, and high schools throughout the state, Community engagement also occurs with all the various building contacts. Interns work closely with contacts to organize site visits and collect research about the building.

INTERNSHIP GOALS

Create a digital repository for nine historic architectural buildings located throughout Colorado. This will be achieved by utilizing 360 video camera capabilities to capture virtual tour content of buildings via Matterport, conducting research on historic building information and embedding the findings into the tours using Mattertags, developing interactive and educational content using multiple softwares, and collaborating with building owners, teachers, and community members to accurately represent the site and its history.

HOW DOES THIS APPLY TO YOUR EDUCATION

This internship applies to my education, as it has given me a greater understanding on historic buildings, National Registers of Historic Places, and historic preservation. I can apply this to my studies as I will be able to have a deeper understanding of what it takes to preserve historic sites and what I can and cannot change when working with a Registered site. I have also learned a new software this summer, which has strengthened my confidence in learning new systems. This will benefit my education, as I can demonstrate that I am able to learn new software quickly, which will be a desirable attribute as I look to get a job in a firm.

WHAT YOU DID

I spent the summer focusing on nine historic buildings throughout the state of Colorado. I started the summer by researching all the sites. I researched their location and historic information. I then traveled to each of the sites to document the building with a 360 camera. The camera documents both the interior and exterior of the sites. The camera gets moved every 5 feet around the building and connects to an iPad, creating a Matterport digital model of the site. I then embedded the research that I had collected into the virtual model through Matterport tags. I worked with building contacts to review the models. Finally, I identified and worked with licensed Colorado teachers and together, we made activities for students in elementary, middle, and high school levels using my virtual building tours.

DOCUMENTED BUILDINGS



Boulder County Courthouse
Boulder, CO



Bromley Farm
Brighton, CO



Centennial House
Denver, CO



Colorado Capitol
Denver, CO



First Presbyterian Church
Leadville, CO



Meeker House
Greeley, CO



SPMDTU Concilio Superior
Antonito, CO



Temple Aaron
Trinidad, CO



United Methodist Church
Manzanola, CO

WHAT YOU LEARNED

Throughout the internship, I gained valuable knowledge. I learned a new software, Matterport, which I had never used before. My work required me to use the software, Matterport. This will aid me in my future endeavors, as I have proven that I can be introduced to new software and master it in a short amount of time. I also learned about National Registers of Historic Places and the many factors that go into preserving historic sites. I have learned about the Colorado's history and all the individuals that have contributed to the state. I have also improved my interpersonal skills, especially while working with teachers and building contacts. I have worked closely with many individuals throughout this internship and became comfortable with professional communication and collaboration to ensure that the activities created were up to standards and that we were depicting the histories of all the sites correctly.

THE PROCESS



Scanning the Meeker House
in Greeley, CO



My workstation while creating
the virtual tours



Scanning the Colorado Capitol
in Denver, CO

NEXT STEPS

For the virtual interactive tours, the nine sites will be added to the AVL website. This allows the public to access and enjoy each of these historic sites. These virtual tours will also be utilized in each of the respective cities to celebrate the historic sites. As for me, I will utilize the things that I have learned in the rest of my education at CSU and beyond. My knowledge of National Registers and historic architecture will benefit me in the coming semester as I begin my Interior Architecture and Design capstone project that focuses on giving a historic building new life. I will be transforming the Steve Hicks School of Social Work Building at UT Austin into a sports training facility for collegiate volleyball and basketball teams. Formerly the University Junior High, this site was the first integrated public junior high school in Austin after Brown v Board of Education.