ARCHITECTURAL PORTFOLIO
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ALFRED STATE COLLEGE
ARCHITECTURAL TECHNOLOGY
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<table>
<thead>
<tr>
<th>Project</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapel Design</td>
<td>1</td>
</tr>
<tr>
<td>3-D Abstraction</td>
<td>2</td>
</tr>
<tr>
<td>Modular Shelter</td>
<td>3</td>
</tr>
<tr>
<td>JOSANA Housing</td>
<td>4</td>
</tr>
<tr>
<td>Master Planning</td>
<td>5</td>
</tr>
<tr>
<td>Buffalo Theater</td>
<td>7</td>
</tr>
<tr>
<td>Marina Piccola</td>
<td>10</td>
</tr>
<tr>
<td>Sketching Workshop</td>
<td>13</td>
</tr>
<tr>
<td>Still Life Drawing</td>
<td>14</td>
</tr>
<tr>
<td>Photography</td>
<td>15</td>
</tr>
<tr>
<td>Cliffs of Moore</td>
<td>16</td>
</tr>
<tr>
<td>Travel Project</td>
<td>17</td>
</tr>
</tbody>
</table>
OBJECTIVE
This design problem involved designing a non-denominational chapel for the campus of Alfred University. Alfred University students currently have no place to go to practice religion on their campus. The site for this project was located at the center of Alfred University's campus, and had a fairly steep slope.

SOLUTION
The final design embraced the slope of the site to create a stepped seating arrangement on the chapel's interior. Designing this chapel was largely impacted by the sloped site, and inspired a symmetrical and dramatic final project.
OBJECTIVE
The goal of this project was to select a piece of abstract artwork from the Cubism movement and form a three-dimensional model from the two-dimensional geometric forms represented in the selected painting.

SOLUTION
The painting I selected was called ‘Painterly Architectonic’ by Lyubov Popova. Even though this project was not supposed to be built with a specific scale in mind, I tried to incorporate architecturally abstracted forms in the final design, such as hierarchy, structural elements and window patterns.
MODULAR SHELTER

MODEL BUILDING
Strathmore, foam core, construction paper

OBJECTIVE
The purpose of this design was to produce an iconic modular shelter system for the campus of Alfred State College. The design needed to be unique, functional, simple to build, and constructed using as few pieces as possible.

SOLUTION
The final design concept produced a light fabric structure, and is composed of only 8 pieces for production. The blue and yellow school colors of Alfred State College inspired a colorful and exciting design, which creates an uplifting feeling for those using the shelter.
OBJECTIVE
The primary problem to be addressed with this project involves the need for affordable housing in the urban environment of Rochester, New York. It was required that our class design a home to address the needs of a low-income family. This home needed to be safe, handicap accessible, and no more than 1500 square feet.

SOLUTION
The final design concept involved hiding the front door to the home for safety purposes. This created a simple and effective layout that matched the demands of the assignment. The home was exactly 1500 square feet, handicap accessible, and had 4 bedrooms.
The goal of this project was to perform a master planning group exercise for the town of Cuba, New York. This project was proposed in response to the apparent disconnect of the townpeople of Cuba with Cuba Lake, which is a result of a surplus of residential property along Cuba Lake. Our designs were supposed to be largely conceptual in nature.

The design solution involved turning a piece of undeveloped land along Cuba Lake into a park, which would include a bike path along Cuba Creek (shown in the site plan below). This park would attract all residents of Cuba and help solve Cuba’s disconnect issues.
BUFFALO THEATER

BIM MODELLING
Revit Architecture

OBJECTIVE
The goal of this project was to design a performance-specific theater for the downtown Buffalo area. Buffalo’s theater district also lacks a landmark for its northern boundary, which created an interesting design challenge.

SOLUTION
I chose to design a Shakespearean theater for the area, while drawing inspiration for the building’s form from Shakespeare’s classic play, “The Tempest.” The building’s dramatic and undulating forms were in response to the waves described in Shakespeare’s play. The building’s contemporary nature was intended to create a clear landmark for the area.

ARCHITECTURAL PORTFOLIO

LOGO DEVELOPED FOR PROJECT
The fountain in front of the theater was intended to resemble a shipwreck, which is also described in Shakespeare's play “The Tempest.” It was also desired that this design incorporated a large outdoor space that would not only positively impact the theater, but also the area surrounding the theater's site in downtown Buffalo. A considerable amount of time was spent designing the outdoor spaces around this theater due to a recent personal interest in landscape architecture.
OBJECTIVE
The purpose of this project was to revitalize the main port in Sorrento, Italy: Marina Piccola. There is a major problem with Marina Piccola because it is disconnected from the town of Sorrento due to tourist activity and transportation issues.

SOLUTION
My solution to this problem involved designing an observation tower and park for the Port of Sorrento to attract both tourists and townspeople to Marina Piccola. The areas in the park and around the observation tower would provide beautiful recreational areas for the port of Sorrento. The shape of the tower was inspired by the three solid bands on Italy's flag, and loosely resembles a traditional lighthouse, which is its secondary function.
MARINA PICCOLA
Revit Architecture, Adobe Photoshop
DESIGN STUDIO IV
Sorrento, Italy
Spring 2011

Tower Sectional Perspectives

Bird’s Eye Perspective of Tower

Base of Tower

Architectural Portfolio
MARINA PICCOLA

Revit Architecture, Adobe Photoshop

SORRENTO, ITALY

DESIGN STUDIO IV

SPRING 2011

GARDEN AREA

PARK FOUNTAIN

SEA WALK

TRELLIS SYSTEM

ARCHITECTURAL PORTFOLIO
STILL LIFE DRAWING

OBSERVATIONAL SKETCHING
Graphite on bond paper

Since our design studio in Sorrento, Italy, was so heavily sketching based, our class also did a number of still life drawings; these drawings ranged from ancient fountains, statues, columns, and everything in between. The first still life image is of Bernini’s famous Fontana della Baracaccia, which is in front of the Spanish Steps in Rome, Italy. The second is of a sculpture, which is called “The Head of John the Baptist,” by Igor Mitoraj, and is located in one of Rome’s many basilicas.

FONTANA DELLA BARACCA - PIETRO BERNINI

ARCHITECTURAL PORTFOLIO

THE HEAD OF JOHN THE BAPTIST - IGOR MITORAJ
While studying abroad in Sorrento, Italy, I had numerous opportunities to travel to several countries throughout Europe. During my travels, I took countless pictures to document trips. I made a point of seeing famous works of architecture throughout Europe, and documenting my experiences using photography. Photography became a passion for me while abroad, and it is something I really enjoy. The following are images I took during my travels.
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"The Cliffs of Moore" is another painting that I have completed as part of my hobby. This painting was inspired by the Cliffs of Moore on the western coast of Ireland, which I was able to visit in January of 2011. It was my first attempt at painting an image of a real landscape, and I am looking to do more of this style of painting in the future. Painting is something that I very much enjoy, and will always be a favorite hobby for myself.
Upon my return from my travels in Europe, I decided to make a wooden plaque that could display my receipts, tickets, and boarding passes from the places that I visited. These items are mounted on a sheet of wood that was carved, routed (with outside help), and sanded. The plaque is carved out of a 2’ x 4’ sheet of wood 1” thick, and is finished with a thick, sleek coat of varnish.