|  |
| --- |
|  |
| **Figure 1.** Notes by Sangeun Lee from meeting with Prof. Clark Erickson |

|  |  |
| --- | --- |
| **Basketry, Backpacks and Visualization (Emiliya Al Yafei):** | |
|  |  |
| **Figure 2.** Basket of the Ultimas, shown in full size (left) and in detail (right). Texture taken from detail shot. (Courtesy Clark Erickson, photographer) | |
|  |  |
| **Figure 3.** Model of Ultimas basket created by Emiliya Al Yafei, as seen from top view. | **Figure 4.** UV for Model of Ultimas Basket created by Emiliya Al Yafei, using edited reference photo. |
| File_008.jpeg |  |
| **Figure 5.**  Photograph of Yanomami woman carrying a basket on her back (photograph courtesy of Victor Englebert, photographer, 1982). | **Figure 6.** Model of Yanomami Basket, using same texture as that for the previous basket. |
|  |  |
| **Figure 7.** Images of Woven Baskets with handles from PennBox (Courtesy Clark Erickson, photographer) . | |
|  |  |
| **Figure 8.** Transparent Basket UV created by Emiliya Al Yafei, made using edited reference photo | **Figure 9.** Basket transparency, as shown in Autodesk Maya. |
|  |  |
| **Figure 10.** Rendered view of Baskets created by Emiliya Al Yafei | |

|  |
| --- |
| **Canoe, Paddle, and Pole (Sangeun Lee)** |
|  |
| **Figure 11**. Chimane dugout canoe from PennBox. (Courtesy Clark Erickson, photographer) |
| Screen Shot 2016-12-09 at 2.19.42 PM.png  **Figure 12.** Third attempt by Sangeun Lee at creating a Chimane canoe |
|  |
| **Figure 13.** Fifth attempt by Sangeun Lee to model the Chimane dugout canoe |
|  |
| **Figure 14.** NA 8565 Alaskan Paddle (University of Pennsylvania. Courtesy of Tunika Onnekikami) |
|  |
| **Figure 15.** Kuikutl Paddle from the west bank of lower Kuluana River(University of Pennsylvania. Courtesy Clark Erickson) |
|  |
| **Figure 16.** (a)Assemblage of separate objects to create a paddle (b)the grip of the handle moved inwards |
|  |
| **Figure 17.** The paddle auto-smoothed |
| Screen Shot 2016-12-07 at 11.53.26 AM.png |
| **Figure 18.** The paddle with texture applied created by Sangeun Lee |
|  |
| **Figure 19**. Bolivian locals poling (Courtesy Clark Erickson) |

|  |  |
| --- | --- |
| **Motion Capture (Tunika Onnekikami)** | |
| IMG_5940.JPG |  |
| **Figure 20.** Tunika Onnekikami, Robert Zhou, and Chloe Snyder dress and test the motion capture suit (Courtesy of Emiliya Al Yafei) | |
| File_004.jpeg | t-pose-mocap.png |
| **Figure 21.** (a) The imperative ‘t-pose’ in real life. (b) the t-pose on the monitor | |
|  | |
| **Figure 22.** A screenshot of the ‘interaction’ motion, a simple wave. | |
|  | |
| **Figure 23.** Tunika Onnekikami goes through the ‘backing’ motion (that is the movement where a bag is carried on one’s back). | |
|  | Rendering.JPG |
| **Figure 24.** (a) One of the motions that was captured and ‘brought to life’ in MotionBuilder. (b)Screenshot of the first step of ‘rendering’ or recording the captions in MotionBuilder. | |