

Eric Chae

CPE 322

HW #3

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The following five projects, in order of most to least interesting, are of the most interest to me:

1. Guitar Amplifier App by Eric Pantaleon

I am able to play a guitar and have experience in building standalone guitar amplifiers. Because of this, I am intimately familiar with what makes a good guitar amplifier. I also have a strong background in coding and a decent grasp of signal processing. This application should be able to emulate the sounds of all of the very well-known and famous amplifiers. I would be willing to work on this project over the semester.

2. 360 Meeting Camera by Jeffrey Nicholls

A live, panoramic camera feed sounds like an interesting problem to solve. I can contribute coding experience to this project. I would also be comfortable with physically building things as this project requires. I think the easiest route to go would be several cameras with wide angle lenses stitched together into a panorama. I would be willing to work on this project over the semester.

3. Alarm Clock Scale by Carolina Tejada

I think this is a rather amusing idea that could actually work. It does not sound particularly hard to implement and is pretty clever. I can provide any type of programming required, whether it be raw assembly code running on a microcontroller or something higher level like Java on Arduino. I am also proficient in soldering and building electronic devices. I would be willing to work on this project over the semester.

4. Audio Upload by Ajay Reddy

I think this project is very useful. I can see myself using this service for recording meetings or class lectures. While not the most unique idea, the convenience of being able to record audio and uploading it to the cloud can make it a very good product. This project is mostly programming and setting up IT infrastructure, which I have experience in. I would be willing to work on this project over the semester.

5. Chord Generator / Song Writer Assistant by Phong Lai

This idea is similar to the guitar amplifier app. Instead of modifying the guitar signal, it analyzes it and helps the user write music. Perhaps the two projects could be combined into a universal practice tool for guitarists. The requirements for this project are the same so my experience would be equally useful. I would be willing to work on this project over the semester.