



Pianobot - Mechanical Designer

Position Description:

This position focuses on designing/improving the following subsystems:

- Fingers capable of rolling over during arpeggios (ongoing)
- Noise cancelling dome around hands (new)
- Pedal stepper for pianos (new)

These projects are quite open-ended, so don't worry even if you're a newer designer. The focus is to get them up and running, and undergo iterations in order to improve upon them before they are actively introduced to the rest of the team.

Number of Positions Available: 4

Responsibilities:

- Attending 2 hours of meetings weekly (1 hour with the entire team, and 1 hour with the other mechanical designers)
- Doing 4-6 hours of design work/presentation preparation to debrief team on system updates
- Updating the Bill Of Materials (BOM) as per changes in project materials

It should be noted that for mechanical designers, once Pianobot is running smoothly, there will then be time to begin work on designing other instrument robots! Mechanical designers will be at the forefront of the new design work there.

Preferred Qualifications:

- MECH, IGEN, ENPH students or first year engineering students
- Time commitment of about 6-8 hours including weekly meetings
- Experience with optimizing mechanical design is preferred
- Enjoys hands-on work and debugging of mechanical systems