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| **Team Name** | |  | | |
| Environmental Noise Contamination Detector | |  | | |
| **Name** | **Todd Schultz** | | **Sean Miller** | **Rahul Birmiwal** |
| **Photo** |  | |  |  |
| **Contact info** | **Todd S (Slack)** | | **TBD** |  |
| **Specific things you want to contribute** | **I bring deep domain knowledge in acoustic signal processing and Fourier-based analysis.** | | **From my background in data engineering I hope to contribute by operationalizing any solutions we propose.** |  |
| **Specific things you hope to learn** | **I hope gain deep practical experience with wavelet transforms and long-short term networks.** | | **I hope to gain an understanding of signal processing techniques for audio that I can apply to domains outside flight data.** |  |
| **Meeting Availability** | **Evenings on Sunday, Monday, Thursday, Fridays** | | **Evenings during the week, all day on the weekend.** |  |
| **Anything Else Your Team Should Know** | **Electronic communications are the easiest way to get in touch with me.** | | **Text, Slack or e-mail are the easiest way to reach me. My work schedule is flexible if given sufficient notification to schedule time off.** |  |
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**Additional Questions:  
  
What is your team structure? (This could be 'hierarchical' – one person is the team lead, the others follow, 'flat' – each team member has an identical role to each other team member, or 'siloed' – each team member has an area of responsibility, and owns that area.)**

The team structure is designed to be flat with the except that one member is also the principle investigator from the sponsoring company. This does provide benefit of easing the communication with the sponsor.

Who is responsible for making sure deadlines are met?

Who is responsible for contacting the sponsor? Todd Schultz

Who is responsible for testing your product? All members should be able to independently test the proposed algorithms.

Who is writing documentation? All members should contribute to the documentation.

**What is your team's approach to communication?**

How frequently do you expect team members to check in? Checking in once a week in person is the goal with frequent communication via Slack throughout the week.

Who contributes to reports to the sponsor? All members should contribute to the reports to the sponsor.

**What is your team's approach to conflict resolution?**

How do you raise an issue?

Issues regarding technical problems should be raised in the GitHub issue tracker, personal issues should be raised in the preferred communication channel or in person.

What is your process for deciding contentious decisions?

The process for working out contentious issues should start with agreeing on the underlying facts of the problem. Then assumptions can be introduced and discussed in relation to the agreed upon facts and solutions proposed. At the end of the discussion, a decision to disagree is acceptable but action items should be assigned with an intent to try to resolve the issue.

**List, in order, your desired projects:**

Environmental Noise Contamination Detector