QSET Application Questions

Last year’s Questions:

1. General q’s –

Name

Discipline

Year of study

Positions you are interested in

2. What was your role on QSET this past year? What contribution to QSET are you most proud of?

3. Describe something that you have created or built (including programs).

4. Do you have any management, leadership, or project management experience? Talk about one project or team you have worked on where you demonstrated these skills

5. What is one technical idea that you would like to implement on the rover next year? How will implementing your idea improve the performance of the rover?

6. What is one idea you have to improve the experience of members on your QSET team (e.g. member learning opportunities, ways to encourage participation and accountability, improving member retention etc)

7. Is there anything that you have not had the chance to talk about yet on this form that will make you an exceptional candidate? Please mention it below!

8. How much do you like space robots (rate on a scale of 1 to 5)

COO question to replace Q5

* What experience have you had budgeting/tracking money?
* Do you have any experience with technical or grant writing? If so, please elaborate.

Interview Questions:

**CTO –**

1. Talk about one major project that you have managed in the past
2. How comfortable are you with the following tech skills
   1. SolidWorks
   2. Manufacturing
   3. ROS Programming
   4. Soldering
   5. Electronics debugging & cable management
   6. Gantt chart making / project management
3. How can you improve communication and coordination between the sub-teams on QSET?
4. What project management tools do you think could be most effective for QSET? How will you ensure their continued use throughout the year?
5. What experience, if any, do you have with technical writing?
6. What does a good CTO do every week to ensure qset is making good progress?
7. What do you think would be the typical amount of time you will put into QSET throughout the week? Do you have any other major time constraints (other than class)?
8. Is there anything that you have not had the chance to talk about that you want to tell us about?

**Sub-team Managers/Supervisors –**

**Owen:**

**By the end of the year there were few individuals that could write ros effectively. As software manager, what do you attribute this to, and what’s your plan to remedy this as ECE head?**

**Your experience is largely in the software side of ECE, how do you plan on addressing learning and subsequently teaching electrical skills both this summer and during the year (saying no electrical projects is not a good answer)**

1. Tell us about one major project that you have completed
2. How comfortable are you with the following tech skills (based on position)
   * SolidWorks
   * Manufacturing
   * ROS Programming
   * Soldering
   * Electronics debugging & cable management
   * Gantt chart making / project management
   * Process control and chem lab skills
3. What is your main goal/project/improvement to the Rover that you want to work on this year?
4. What is one shortcoming that you have identified in the management of your QSET subteam last year & how would you improve that ?
5. How do you increase member retention (mech: knowing that 2nd years have a really hard fall semester)?
   * What experience do you have in terms of public speaking & scientific presentations (science)?
   * What process do you follow when getting a new PCB up and running (elec)?
6. What do you think would be the typical amount of time you will put into QSET throughout the week? Do you have any other major time constraints (other than class)?
7. What experience have you had in jobs/internships that would help you in this position?
8. Is there anything that you have not had the chance to talk about that you want to tell us about?

**Ops team –**

1. What experience do you have with videography & photography & graphic design /bookkeeping & EngSoc Finance/sponsor relations?
2. What’s your experience with technical writing?
3. A sub team is over-budget but keeps requesting to make more purchases. How do you handle it (COO)?
   1. What steps would you take to make the team’s SAR video as effective as possible
   2. What’s your plan to procure new sponsors for the team this year? How do you decide which sponsors to reach out to
4. Are you interested in the technical side of the team? How are you going to stay connected to the technical projects that you are managing?
5. Explain something technical to us in a way that a 12th grader would understand.
6. What do you think would be the typical amount of time you will put into QSET throughout the week? Do you have any other major time constraints (other than class)?
7. What experience have you had in jobs/internships that would help you in this position?
8. Is there anything that you have not had the chance to talk about that you want to tell us about?

**Hiring Panels/Applicants**

CTO – (Michael, Emma, Nick) Sunday

Graeme 2:00

Nick M. 2:30

Mech – (Michael, Emma, Nick) Sunday

Zane – M 3:00

Misha – M 3:20

David – S 3:40

Payload – (Mackie, Emma, Michael) Monday

Jonah – S 3:30

Lily – M 3:50

Ben – S 4:10

Elec/Software – (Michael, Austin, Nick, Emma) Monday

Owen – M 2:30

Kaija – S 2:50

Reach out to Owen & Austin for more applicants for elec supervisor

Ops – (Connor, Nick, Emma, Michael) Monday

Jen – Media 2:00

Juliana – COO 1:20

Sonali – Media (?) 1:40

Satellite – Extend