Score for Pannuto, Patrick

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Very Good

Explanation to Applicant

The applicant proposes to design and develop millimeter-scale sensors. The applicant is knowledgeable of the state of the art; the challenges of this problem are well explained. The application can be further improved by adding more details about the proposed solutions and by providing clearer description why the challenges can be handled by these solutions.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Fair

Explanation to Applicant

The applicant has strong interest in education and an impressive record as a teaching assistant. The proposed millimeter sensor could have broader impacts in many areas. The application can be improved by addressing the broader impacts more clearly.

Score for Pannuto, Patrick

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Excellent

Explanation to Applicant

The applicant has strong academic records. The transcripts, the publication records, and the references all indicate the applicants intellectual ability to conduct advanced research.

The proposed research is interesting and important. However, it could be further improved if some discussions are given as to what are the possible approaches/methodologies maybe used to approach the problems identified. Even with this said, it is a strong application.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Very Good

Explanation to Applicant

The discussion about the broader impact is a bit weak. The candidate is a well-motivated student. It would greatly strengthen the broader impact if the applicant discuss how he may outreach to fellow students and involve them to participate in research activities.

Score for Pannuto, Patrick

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Very Good

Explanation to Applicant

The applicant has good GPA. The applicant has good publications/presentations. The candidate has some awards. The candidate has very strong letters of recommendation. The candidate overall academic preparations are very good.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Very Good

Explanation to Applicant

The candidate has some teaching experience with high school and undergraduate students. The candidate did not describe anything else in the broader impact of his work. This is an important portion of the application form. If the applicant does not receive scholarship this year, he must focus more in the following year on this aspect.