

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Excellent

Explanation to Applicant

The applicant has an outstanding academic record, including fellowship, awards, and an honorable mention best paper. The applicant also has directly relevant research experience related to the research proposal, including conference presentations and publications. The applicant shows a remarkable breadth of research interests in both computational and social aspects. The proposed work is built upon the applicant's prior work. The applicant aims to address online abuse using a systematic approach. Specifically, the applicant proposed four steps, each of which was proposed to address one of the identified shortcomings of current work. The proposed work was well-reasoned. One possible improvement to the research proposal would be to discuss the evaluation plan of each step. For example, to evaluate the proactive system, the applicant could consider to conduct human-subject experiments to validate the effectiveness of the proposed system. The idea of an interdisciplinary approach to address the problem of toxic behavior and promote civility in online spaces is important and will be very impactful if successful.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Very Good

Explanation to Applicant

The applicant seems to be committed to broader impacts, not only as a result of carrying out research with an ultimate goal to mitigate online toxicity, but also through teaching, mentorship, and service. The applicant had experience in tutoring peers in middle school and in college. The applicant also expresses passionate interest in teaching and mentoring students with diverse backgrounds.

Summary Comments

The application is written by a motivated individual. The proposed work was well-reasoned. Intellectual merit and broader impact aspects of the application are both strong. The reference letters imply future career success of a great candidate.

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Very Good

Explanation to Applicant

The applicant proposes to apply his knowledge of machine intelligence and linguistic analysis to the detection and, ultimately, the prediction of aggressive online language, including hate speech. This represents a significant computational challenge. He has published in this area (twice as first author). His recommendations and grades are excellent.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Excellent

Explanation to Applicant

Dealing with aggressive language is a major concern in the area of social media. The applicant's plan shows great promise in

addressing this. He has also performed exemplary service assisting low income and underrepresented students.

Summary Comments

The applicant shows promise of making a major contribution to a research area that is both intellectually challenging and socially beneficial. He is well-prepared for this.

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Very Good

Explanation to Applicant

The applicant has an outstanding academic record with few awards, and BS of computer science and BA of mathematics from Emory University. He is a Ph.D. student at Georgia Institute of Technology. The applicant also has the NSF REU experience which has resulted in one publication. The applicant also has mentoring experience. The applicant plans to build a proactive intervention tool to predict and prevent online abuse before it unfolds.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Very Good

Explanation to Applicant

The proposed study if succeed could help improve the internet psychological violence on the web and physical violence in the real world.

Summary Comments

The applicant has an excellent academic record. The three recommendation letters from faculty who has closely work with the applicant approve the future success of the applicant.