



January 20, 2017

To whom it may concern,

Kristen Savary is one of our students from the Calhoun Honors College. It is a great pleasure for me to candidate her for an award.

Kristen is working on an undergraduate research project under my supervision. The work we are doing is on graph theory and started as a communication problem of three users communicating on an interference network. Kristen has not taken Graph Theory but has spent time in learning the subject on her own under my guidance. She is now exploring the mincut problem between three disjoint subsets of vertices in a network from a theoretical and an algorithmic point of view.

Last semester (Fall 2016) Kristen was the grader for my undergraduate linear algebra course. Kristen excelled in this job, overshadowing the graders I had in previous iterations of the same course, one of which was a graduate student. In our meetings, we analyzed the homework questions. Kristen proved to be quick in understanding methods of resolution and contributed to solving the questions by providing instinctive and useful remarks. Kristen covered the linear algebra requirement through AP credits but nonetheless managed to refresh quickly her memories about the subject.

I first met Kristen during the CI in Cryptography I held with Jim Brown in 2014. She was a Freshman at the time and performed really well compared to the other more experienced students.

It is clear to me that Kristen is very eager to do research in the Mathematical sciences and I think she is one of our most talented students.

If I can be of any further assistance, please do not hesitate to contact me.

Best regards,

Felice Manganiello  
Assistant Professor

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