Sean Russell

1. What is your major, and why did you choose your major?

Computer Science, enjoyed programming and had an interest in inventing. Also have a math minor because CS requirements put me two classes away from one.

1. How far are you into your major course studies?

Junior

1. What key courses have you taken in your major course studies?

Operating Systems, Algorithms, Software Design

1. Explain, in-depth, key interests you have in your major?

Artificial Intelligence - Like the idea of a computer that thinks.

Big Data - Working with large data sets on major problems (ie climate modeling, predicting disease outbreak)

Security - Countering hackers and protecting private information

1. How do you want to use your studies in your major/science after you graduate?

Hope to get a job doing research in Artificial Intelligence, either corporate or academic.

1. Please skim issues of National Geographic, Scientific American, Science Times in The New York Times, Science Timesand comment on what strikes you as interesting. (Looking online at these publications will work well.)

Can a Supercomputer Suggest the Best Cancer Treatment? Scientific American

Watson, the computer from jeopardy, is now being used as a diagnostic tool. Because it is able to draw on vast bodies of data, it could be potentially much more effective at diagnosing patients and suggesting treatments.

1 World, 10 Billion People: Who Thrives, and Who Falls Behind? Scientific American

An analysis of how population increases will affect different demographic groups and several suggestions on what to do.