## **EECE.2160: ECE Application Programming** Fall 2018

Lecture 29: Key Questions November 16, 2018

## **QUESTIONS**

- 1. **Review:** Show how variables of a given structure type can be declared and initialized.
- 2. **Review:** Show how elements within a structure can be accessed, either through the dot operator or a pointer.
- 3. Explain how structures can be nested inside one another.

- 4. **Example:** Write the following functions that use the StudentInfo structure
- Given an array of StudentInfo variables, compute and return the average GPA of all students in the list

- Prompt the user to enter 3 lines of input (using the format below), read the appropriate values into StudentInfo elements, and return a value of type StudentInfo
  - o Format (user input <u>underlined</u>)
  - o Enter name: Michael J. Geiger
  - o Enter ID #: 12345678
  - o Enter GPA: 1.23