EECS 381 Questionnaire: Interests, Background, & Experience

Name:__________________________________________________________________

Student ID:_____________________________________________

Undergrad/Grad____________________ College (Engin/LSA): ____________Major:_______________________

Uniqname Email:_________________________________________________________

The purpose of this questionnaire is to allow me plan the enrollment and content of the course more intelligently, especially given the considerable variation in student background and schedules and the fluctuating content of our own courses.

A. Goals
1. How many more semesters are you planning on being here?

2. What do you want to do after you get your degree? What kind of work are you interested in?

3. What other EECS courses are you taking (or planning to take) this semester?

B. Programming courses and experience
1. For the following courses, list the instructor, semester, and year in which you took it, and the grade that you got. This is important - not just for this course enrollment, but it helps my effort to track how well our programming courses work. Please be as accurate as you can.
   EECS 280:
   EECS 281:
   EECS 370:

2. Please check off which of the following other EECS courses you have already taken:
   282 ___  283 ___  285 ___  373 ___  382 ___  441___  Other: Numbers: __________________
   481 ___  482 ___  483 ___  484 ___  485 ___  486 ___  487 ___  489 ___  490 ___  492 ___  493 ___  494 ___

3. Have you done non-trivial programming in C in addition to what you did in 370? If so, when and where (course, job, etc)? What was the most complex thing you did in C?

4. Which other languages besides C and C++ have you worked in? Briefly say where (e.g. course or job).
5. Describe any non-course experience (e.g. work, hobby) that involved programming or software design and development.

6. Which is your preferred programming environment or platform?

C. Experience with specific C and C++ concepts that you may or may not have encountered. If the answer is yes, please say when and where (i.e. which course, at a job, etc.).

1. Have you written data structure code in C that uses a void pointer to store data of any type?

2. Have you written C or C++ code that uses function pointers? How about function pointer casts?

3. Have you written code in C (not C++) that implements a linked-list data structure?

4. Have you written code in C++ that implements (a) a linked-list class template that (b) uses iterator objects?

5. Have you written C++ code that defines and uses your own function objects (“functors”)?

6. Which containers other than vector from the C++ Standard Library have you used?

7. Which algorithms other than for_each from the C++ Standard Library have you used?