Survey Questions

Demographic Questions

1. What is your gender?
   - Female
   - Male
   - Other

2. What is your age?
   - < 20
   - 20 – 24
   - 25 – 29
   - 30 – 34
   - 35 – 39
   - 40 – 44
   - 45 – 49
   - 50 – 54
   - 55 – 59
   - 60 – 64
   - 65 – 69
   - 70+

3. What is your current primary country of residence?
   - USA
   - Canada
   - India
   - China
   - Other (please state)

4. In which country were you born?
   - USA
   - Canada
   - India
   - China
   - Other (please state)

5. What was your first spoken language?
   - English
   - Spanish
   - Chinese
   - French
   - Other (please specify)

6. What is your highest level of educational attainment?
   - Bachelor's degree (or equivalent)
   - Master's degree (or equivalent)
   - PhD degree (or equivalent)
   - Other (please specify)

7. In what field was you highest level of educational attainment?
   - Computer science
   - Engineering
   - Mathematics/statistics
   - Physical/life sciences
   - Economics/business
   - Humanities/arts
   - Other (please specify)

OMSCS Behavioral Questions

8. Are you currently enrolled in the Georgia Tech Online Master of Science in Computer Science (OMSCS) program?
   - Yes
   - No

9. What was your main reason for enrolling in the OMSCS program?
   - To increase financial prospects;
   - To gain an extra qualification;
   - To gain promotion within your current industry of employment;
   - To switch to a career in a different industry from where you are currently employed;
   - To make connections;

- For fun/challenge;
- Other (please specify)

10. What was your first semester of enrolment in the OMSCS program?
- Spring 2014
- Summer 2014
- Fall 2014
- Spring 2015
- Summer 2015
- Fall 2015
- Spring 2016
- Summer 2016
- Fall 2016
- Spring 2017.

11. Which OMSCS classes have you attempted/completed to date (Options: Completed; Currently undertaking (Spring 2017); Attempted but did not complete)?
- CS 6035: Introduction to Information Security
- CS 6210: Advanced Operating Systems
- CSE 6220: Intro to High-Performance Computing
- CSE 6242: Data and Visual Analytics
- CS 6250: Computer Networks
- CS 6262: Network Security
- CS 6290: High Performance Computer Architecture
- CS 6300: Software Development Process
- CS 6310: Software Architecture and Design
- CS 6340: Software Analysis and Test
- CS 6400: Database Systems Concepts and Design
- CS 6440: Intro to Health Informatics
- CS 6460: Educational Technology
- CS 6475: Computational Photography
- CS 6476: Computer Vision
- CS 6505: Computability, Complexity and Algorithms
- CS 6601: Artificial Intelligence
- CS 6750: Human-Computer Interaction

- CS 7637: Knowledge-Based Artificial Intelligence
- CS 7641: Machine Learning
- CS 7646: Machine Learning for Trading
- CSE 8803: Big Data for Health Informatics
- CS 8803-O01: Artificial Intelligence for Robotics
- CS 8803-O02: Introduction to Operating Systems
- CS 8803-O03: Reinforcement Learning
- CS 8803-O04: Embedded Software
- CS 8803 O07: Cyber-Physical Systems Security
- CS 8803 O08: Compilers - Theory and Practice

12. What is your most likely OMSCS area of specialization?
- Computational Perception and Robotics
- Computing Systems
- Interactive Intelligence
- Machine Learning
- Don't know

13. What is your current grade point average (out of 4.0)?
- < 1.0
- 1.0 – 1.4
- 1.5 – 1.9
- 2.0 – 2.4
- 2.5 – 2.9
- 3.0 – 3.4
- 3.5 – 3.9
- 4.0
- Don't know

14. On average, how many hours per week do you spend studying for OMSCS classes?
- < 5 hrs
- 5 – 9 hrs
- 10 – 14hrs
- 15 – 19hrs
- 20 – 24hrs

- 25 – 29hrs
- 30 – 34hrs
- 35 – 39hrs
- 40+hrs

Pre-OMSCS Computing Experience

15. Prior to commencing OMSCS, how many years' computer programming experience did you have (in any language)?
    - 0
    - 1
    - 2
    - 3 – 5
    - 6 – 8
    - 9 – 11
    - 12 – 14
    - 15+

16. Prior to commencing OMSCS, which programming languages had you had experience programming in?
    - Python
    - Java
    - C/C++
    - C#
    - R
    - SQL
    - Ruby
    - SAS
    - Javascript
    - PHP
    - HTML
    - I had not previously had any programming experience
    - Other (please specify)

17. Prior to commencing OMSCS, had you previously studied computer science at a tertiary level?
    - Yes
    - No

18. Prior to commencing OMSCS, how many years' experience had you had employed in roles that required the knowledge of advanced computing skills (e.g. computer programming, software development, machine learning, etc)?
    - 0
    - 1
    - 2
    - 3 – 5
    - 6 – 8
    - 9 – 11
    - 12+

19. Prior to commencing OMSCS, how confident were you in your ability to succeed in the OMSCS program?
    - Very confident
    - Confident
    - Neutral
    - Unconfident
    - Very unconfident

Sense of belonging and self-confidence

20. How confident are you, currently, in your ability to succeed in the OMSCS program?
    - Very confident
    - Confident
    - Neutral
    - Unconfident
    - Very unconfident

21. Rate the extent to which you agree with each of these statements (1 = strongly disagree, 2 = disagree, 3 = neutral, 4 = agree, 5 = strongly agree).
    a) Generally, I feel secure about attempting computer science problems

b) I am sure that I could learn a new computer programming language if required for an OMSCS course

c) I am sure I could succeed at the more challenging courses in OMSCS

d) I think I could handle more difficult problems than I have faced to date in OMSCS.

e) I can get good grades in OMSCS.

f) I have a lot of self-confidence when it comes to programming

g) I'm no good at computer science

h) Females are just as good as males at programming

i) I have as much confidence in a female OMSCS instructor as I would in a male instructor

j) Studying computer science is just as appropriate for women as for men

k) It's hard to believe that a female could excel at computer science

l) It makes sense that there are more men than women in computer science

m) I would have more faith in the answer of a programming problem solved by a male OMSCS student than a female student

n) I feel like a part of the computing culture

o) Sometimes I feel like I don't belong in OMSCS

p) I am treated with as much respect as other students in OMSCS

q) I do not see myself as a typical programmer

r) I feel connected to my fellow OMSCS students

s) It is hard for people like me to be accepted in computing

t) I am proud to be an OMSCS student

u) I can really be myself in OMSCS

v) I often think about dropping out of OMSCS