Intel Questionnaire

Please respond to Brenda.d.Littleton@intel.com with this questionnaire **and** your resume attached. Thanks!

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1. Contact Information
  Name: Yinyan (Christy) He
  Mailing Address: 537 Saluda Ave, Apt 4th, Columbia, SC 29205
  Email Address: christyhe2013@gmail.com
  Phone Number(s): 803-553-6164
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2. University, Degree and Major:
Univ: University of South Carolina, Columbia
Deg1: Master of Engineering in **Computer Science**
Deg2: Master of Science in **Organic Chemistry**
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3. Overall GPA:
GPA in Computer Science: 3.7
GPA in Organic Chemistry: 3.6
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4. If any classes were not included in the Overall GPA due to an Academic Forgiveness Policy or a Grade Adjustment Policy, please list those classes.
N/A
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5. Anticipated Graduation Date: 05/05/15
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6. Date of Availability: 06/15/15
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7. High School and Year Graduated:
 Hengnan YiZhong, Hengyang City, Hunan Province, China
Graduated in 2007
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8. Please list the country of your citizenship:
China
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9. Do you have the permanent unrestricted right to work in the United States? If not, what US visas have you held AND for how long?
I am a F1 student now, will have EAD card which last for 29 months after graduation.
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10. Who is your current employer?
Univ of South Carolina, Columbia
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11. Are you currently considering another job offers? Are any offers from other Intel Groups?
Got onsite interview opportunities for another three companies, not obtain any official offer yet.
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12. Have you worked for Intel before? If so, provide some detail into those roles.
No
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13. Briefly describe your background/course work related to Computer Architecture.
Computer Architecture and Operating System are the core courses for my degree, and my four months internship experiences focus on more hardware stuffs as well. I'd like to say I have basic practical skills and comprehensive level knowledge skills in Computer Architecture.
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14. Briefly describe your background/course work related to Python programming.
I started Python programming language since last year. We used it in the Machine Learning (CSCE883) Class. I have no problem in understanding Python language and I did several small python projects using Pydev.

Thus, honestly, I'd like to say I am still a very beginner for python, but I have strong passion in learning new stuff and I am a quick learner.
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15. Briefly describe your background/course work related to C and C++ programming.
Compiler, Computation Theory and Algorithm analysis use C and C++. In the compiler course projects, we were asked to convert high-level language into lower level language by doing lexical analysis, preprocessing, parsing, semantic analysis and etc. And all my undergraduate level courses projects are using C or C++; especially C. C is the very first computation programming language I learned.
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16. Briefly describe your background/course work related to Linux. Any driver development experience?
Compiler, Software Engineering and Software Testing & Assurance courses' projects were based on Linux. We basically use C language to code and use makefile to do the definition and command.
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17. Briefly describe your lab debug experience. Any logic analyzer experience?
My teaching assignment is majorly in helping students debug their code, which focus on scripting language though. And I used Eclipse debug for Java, GDB for C, and PDB for python. And I learn white box/black box (also gray box) testing skills, I always use unit testing whenever I start writing a project. Test-Driven Development is a good idea for developing less-bug code.
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18. Which is more your strength, software or hardware? Describe why you believe so.
In my situation, I think it is half/half in software and hardware. My internship experience focused more on hardware stuff, like computer image, network setup, space partition, software installation and update and etc. And my course work focus more on programming, which is more about software stuff.
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19. Please provide a brief description of your most challenging or interesting project relates to computer architecture or testing/debug.
Proj1: On the NVIDIA GPU platform, we used CUDA implement a program about huge matrix multiplication (m*n*x time efficiency), which shows the power of GPU computing capability.

Proj2: I need to write boundary value, equivalence partition, weak robustness and strong robustness cases for a project in the software testing class, thousands of code in each testing case. It is very funny to implement the code I wrote and make sure it is capable to be further system testing or acceptance testing.
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20. Why are you interested in working at Intel?
1. In my impression, Intel occupies the major marketing of computer chips. It is a great honor to work for such a power and meaningful company.
2. I did some research about Intel; generally, employees at Intel satisfy their job at Intel. Employees are able to balance work and life, safety and friendly working environment.
3. I am living close by Intel; no need to relocate is also a big bonus for me.
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