Venerable Computing Support Specialist Mr. Chapman:

Honesty before all else, I want to work at the helpdesk because I have been applying to software jobs left and right and have sent in countless applications without any luck. At this point, I am desperate for anything to do for the summer, and since I already enjoy working at the helpdesk, I thought it would be a nice continuation to extend it out to the Summer. I suppose this section of the application is about the same as the one from last year…

I have a strong preference for anything related to hardware because it is already a hobby of mine, so I would be more than happy deploying new computers. Cleaning and organization is also something that comes very naturally to me so reworking and cable-managing lab spaces would fit me well. Additionally, because I am still a computer science major after all, I would be 100% on board with any project involving programming like fixing Web Checkout (though I'm not totally sure what that involves).

I've been enjoying working at the DOC this year. If I could have all of my hours there, I would. It is really a great opportunity for me to satisfy my curiosity to open up all sorts of different technologies and apply the knowledge that I've earned from that into finding solutions for often very frustrated clients. Having dealt with misbehaving technology for a while, both as a computer science major and a tech enthusiast, I understand the immense relief that I am hopefully bringing to these people.

Also I hope the clients like it as much as I do when I wipe all the grime off of their screens and keyboards (best part of the job)

Other Notes:

- I am still waiting on several applications to get back to me, and just like last year, if I get a position that is more relevant to my major, I will likely take it.
- If I were to be selected for this position, I would very much like a 2-week vacation in the middle of the break. The exact dates are not a significant factor.
- I have attached my resume in case some of my skills outside ITS may be helpful for specific/undescribed projects.

Ju Yun Kim
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300 North College Street   612 Friars Head Court
Northfield, MN 55057   Suwanee, GA 30024

Education

Carleton College, Northfield, MN

- Class of 2018, major in Computer Science
- Relevant coursework: Evolutionary Computing and Artificial Life, Computer Graphics, Data Structures, Algorithms, Computability and Complexity, Database Systems, Programming Languages, Software Design, Audio Programming

Work Experiences

Engineering Intern, Lotic Labs, Summer 2016

- Developed a framework that aggregated and processed river data from USGS using cloud computing services
- Created a utility that made parallelized requests to the framework to speed up the process

Drop-off Center Windows Lead Tech, Carleton ITS, March 2016 – current

- Repairing and salvaging data from damaged machines
- Reimaging corrupted operating systems
- Performing particularly difficult repairs, especially for Windows machines
- Keeping up to date on newest solutions on both Windows and Ubuntu

Helpdesk Respondent, Carleton ITS, September 2015 – current

- Troubleshooting technology for clients of various skill levels either in person or over the phone
- Maintaining computers and printers around campus

Other Skills

- Proficiency in Python, Java, C/C++, Scheme, PSQL, JavaScript
- Experience in computer graphics through creating engines with OpenGL
- Experience in assembly language concepts using MIPS
- Experience in web development with HTML and CSS
- Experience in UI development with JavaFX and QT
- Experience in using AWS Lambda and S3
- Familiarity with internals of programming languages through building an interpreter for Scheme
- Familiarity in consumer computer hardware
- Proficiency in Microsoft Office and similar tools in Google Drive
- Flexibility between OSX, Windows, and Linux (Ubuntu)
- Strong logical and analytical skills from math and computer science coursework
- Native speaker of Korean