

## Cover Letter

Dear Sir/Madam,

I am currently majoring in Computer Science at the Stony Brook University and have completed two semesters with a GPA of 3.67. I would be graduating in December, 2018. I would like to apply for full-time opportunity with Duolingo.

A bit about my background:

I am currently working as a Software Engineer Intern at Citrix. I have 3 years of Industry experience, working with Seagate Technology. The courses I had taken in the Fall and Spring semesters are Analysis of Algorithms, Artificial Intelligence, Network Security, Wireless and mobile networks, Operating systems, Discrete Mathematics and Data Mining. I did some projects, some of those were developing an Operating System from scratch, writing a Web crawler in Java, developing an Arithmetic Problem solver in Python, and many others, details of which you can find on my resume and on my Github profile. I have a good understanding of Object-oriented design principles, Algorithms and Data Structures and the TCP/IP stack. I am highly proficient in Java and C programming languages and know scripting languages like Bash and Python. I have experience working with the Linux and Windows operating systems and have a good understanding of the Linux and Windows command line. I am a quick learner and flexible in adapting to new technologies.

My interests:

1. Software Applications: You can call this as my hobby. I enjoy creating software solutions(out of academics) that make life easier. To name a few, I created a web crawler just to understand how it works. I developed an android application for mobile which saves battery when required, enables emergency dialing by exploiting the feature of proximity sensor and provides a health metric in terms of the number of calories burnt. I created an application for a friend of mine who wanted to prepare for her GRE. I helped my friends with a script that helped them test the various cases for an assignment, which saved them a lot of time.

2. Networking: Networks has been my subject of interest and I have enjoyed working on the interesting assignments we had in our coursework. I have mentioned the details of the assignments on my resume but to give you a gist of them, I would say they helped us understand the client and server side programming, how the DNS works and how the protocol is vulnerable to attacks, how a proxy works, etc.

3. Systems: I have 3 years of work experience with Seagate Technology. I have worked both on the firmware and the software side there. I created and owned the software that enabled the DDR memory characterization at Seagate. Also, currently I am working as a Software Engineer Intern at Citrix Systems, Florida. My recent accomplishment here was that I was able to improve the performance of the CDFControl tool that Citrix uses by 50%. Operating systems has been the subject of my interest always and I was lucky to have had a chance to develop one of my own in the Fall Semester. It was a multitasking operating systems that supported kernel print, paging, virtual memory, ring 0 and ring 3 switch, system calls, etc.

I would like the opportunity to converse with you to discuss the full-time opportunities with Duolingo. Please let me know if you have any questions or would like to know more about my projects or work experience. You can reach me by phone at (631)997-9258 or by email at [hchandwani@cs.stonybrook.edu](mailto:hchandwani@cs.stonybrook.edu)

Thank you.