

Nathan W Wynn

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Dear Hiring Manager,

My name is Nathan Wynn; I'm an undergraduate Computer Science student with a minor in Spanish at the University of Georgia. I'm interested in the REU program offered by the College of Staten Island. Throughout my academic career, I have excelled in all of my Computer Science courses, and I have also had the opportunity to further my studies outside of the realm of Computer Science by minoring in Spanish and taking 3D modeling and animation courses. After taking many rigorous upper level Computer Science courses, I have found a passion for tackling difficult problems and furthering my own understanding of the subject.

I became interested in Computer Science in my Freshman year when I had the opportunity to take Discrete Mathematics and an introductory Computer Science course. I immediately knew that this was the right field for me, and since then I have sought out avenues to further my knowledge. During the summer of 2017, I had the opportunity to collaborate with Turner Broadcasting System as a Strategic Product Management Intern. During my internship, I collaborated with engineers, designers, and executives across the different Turner brands to invent new ways to spark innovation and research cutting edge technology solutions to provide benefit to Turner. This internship gave me the unique experience to witness the implementation, delivery, and research processes from a high level, and gave me a heightened passion for research within the realm of technology.

After I graduate from the University of Georgia, I plan on attending graduate school. I am interested in many subfields of Computer Science, such as computing theory, graphics, human centered computing, human computer interaction, artificial intelligence, image processing, and modeling/simulation. I believe that pursuing my Masters degree will focus my interest by giving me more exposure to different research areas. After my Masters, I aspire to pursue a Doctorate degree and do research in either academia or with a research team in the corporate sector.

In addition to my critical thinking and programming skills, I have strong written and verbal communication skills, which were strengthened by my positions as a Teaching Assistant at UGA and as an Intern at Turner Broadcasting System, where I presented my research in front of executives and the CTO at the end of the program. I also possess skills in presentation, user engagement, coordination, teaching, and conflict-resolution.

I believe that this REU program will aid me in my academic goals. This program will give me greater insight into different disciplines of Computer Science, and give me more exposure to cutting edge research. I am passionate about collaborating with others in defining and solving difficult problems. One of the past projects through this program that I was particularly interested in was "Parallel hash collision search by rho method with distinguished points" by Brian Weber (Univ. of Maryland at Baltimore County) and Samantha Morris (Univ. of Central Florida) under Dr. Xiaowen Zhang. I am particularly interested in the applications of the Birthday Paradox in increasing the probability of finding hash collisions.

Sincerely,

Nathan W Wynn