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Statement of Interest, Clinical Research Intern

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It is my great honor to apply to this intern opportunity. I am a graduate student in Computer Science with concentration on image processing and scientific visualization. After defending my thesis last December, I am taking one last course this spring and am graduating in May.

Motivation: As an aspiring computer scientist, my career picture is to become an image processing and analysis specialist to assist domain experts in tasks with my algorithmic and implementation skills. Specifically, I want to start with hands-on work in a hospital or medical center setting, on either image processing (expecially brain imaging) or other experimental tasks by applying my skillset. After reading the description of this intern position, I think it could be a great opportunity to me.

Experience: I started learning and doing image processing projects during college, as well as using Matlab and libraries like OpenCV. In graduate school, taking courses in computer graphics, algorithms, and data visualization had broadened my knowledge set in terms of viewing the data and how to process them properly. In the second year of graduate school I started doing two research projects with my academic advisor, one on topological analysis of scalar fields and the other on 3D image analysis (Master's thesis). A summary of my projects is available at

http://people.cs.clemson.edu/~dachaos/research/

for your reference. To enrich my background knowledge, I am currently self-studying fundamentals in the acquisition and common approaches of medical images. I am hopeful that my skillset can be competitive in fulfilling this job.

As an administrative concern, I am realized that I will be available for reallocation in early May when already graduated, which may not match the "registered for credits" part of expectations. However, I am willing to reallocate for this unpaid position if working in the summer is possible.

I look forward to hearing from you. Thank you again for reviewing my application.