**Sean Archer**

250 Lynn Rd.

Averill Park, NY, 12018

518-487-8135

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March 27, 2013

Rochester Institute of Technology Student Affairs

1 Lomb Memorial Drive

Rochester, NY, 14623

Graduate Assistantships

Dear whom it may concern,

I am writing this letter to inquire about two assistantship opportunities with the Rochester Institute of Technology student affairs division. I am very interested in interviewing for the athletics marketing and club administrative positions and I believe my previous work experience and personal work ethic can contribute to the RIT community.

My previous employment experience has provided me with the necessary skills to adequately fulfill both positions. As a student project manager at NASA Langley Research Center and a supervisor at Tremont tent rentals, I developed several of the skills required for success at the above positions including organization, planning, and communication. Throughout my life I have always been a motivated individual with a great work ethic that is determined for success.

I am certain that my resume will give you a greater understanding of my qualifications for these assistantship opportunities. I appreciate your consideration and look forward to speaking with you soon.

Sincerely,

Sean Archer

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250 Lynn Rd. ◼ Averill Park, NY, 12018 ◼ 518-487-8135 ◼ sean.archer.90@gmail.com

**Career Goal: Geospatial Analyst**

Hard working and reliable undergraduate student seeking assistantship at graduate school to further education. Previous experience gained through the NASA DEVELOP program in the summers of 2011 and 2012. Strong knowledge of the atmospheric and computational sciences and skilled in computer programming and remote sensing analysis.

Education

**The College at Brockport,** Brockport, NY

* Bachelor of Science in Meteorology – Spring 2013
* Minor in Computational Science – Spring 2013

Experience

**Langley Research Center**, Hampton, VA

**Research Intern, NASA DEVELOP**, 06/12 – 08/12

*Revolutionizing the Usage of CALIPSO Data*: Team lead of the CALIPSO satellite team that created a graphical user interface to streamline the process for computing the trajectories of aerosols initialized by CALIPSO lidar data

*Selected Achievements:*

* Served as the manager and point of contact for the student CALIPSO team that worked cooperatively with the NASA CALIPSO Science team
* Gained experience working in a UNIX environment and programming with IDL and FORTRAN
* Helped design, test, and implement graphical user interface
* Analyzed CALIPSO Lidar data and aerosol trajectory model results
* Completed a term paper, brochure, and poster that was presented at conferences at NASA Headquarters and NASA Langley Research Center
* Gave a presentation of completed work at Langley Research Center and the Atmospheric Science Data Center located on the Langley campus

**Langley Research Center**, Hampton, VA

**Research Intern, NASA DEVELOP,** 06/11 – 08/11

*Monitoring Agricultural Tillage Practices with NASA Hyperspectral Satellite Imagery*: Part of the Midwest Agriculture research team that developed a new method for analyzing the relationship of crop tillage intensity and carbon sequestration through the use of NASA Earth Observing satellites.

*Selected Achievements:*

* Completed extensive research in remote sensing, agriculture, and earth sciences
* Learned how to perform raster calculations using ArcMAP and ERDAS to illuminate unique properties of hyper spectral imagery
* Performed several algorithms on data and compared results to previous projects conducted by the United States Department of Agriculture
* Liaison for the USDA and coordinated testing and implementation with the USDA
* Completed a term paper, brochure, and poster that was presented at conferences at NASA Headquarters and NASA Langley Research Center
* Gave a presentation of completed work at Langley Research Center and the Atmospheric Science Data Center located on the Langley campus

**Tremont Ace Hardware Rentals**, Averill Park, NY

**Tent and Party Rentals,** 05/06 – 06/11

Delivered and picked up event supplies such as tents, tables, chairs, linens, etc.

*Selected Achievements:*

* Gained experience working with machinery and operating a forklift
* Promoted to crew leader in 2008
* Gained experience leading a team in a fast paced and organized manner

Skills

|  |  |  |
| --- | --- | --- |
| * GARP * UNIX * FORTRAN 90 | * MATLAB * ARCGIS * MPI Programming | * Microsoft Office * IDL programing * AutoCAD |

Activities and Awards

* NCAA Division III Ice Hockey – The College at Brockport
* American Meteorological Society – Member
* Storm Chasing Safety Class – May 2010
* Science Scholar Award – May 2009, May 2010
* Dean’s List – May 2012

References

* Available Upon Request