

Python Software Developer Python Software Developer Python Software Developer -  
AdMarketplace 3 Park Avenue New York, NY Work Experience Python Software Developer  
AdMarketplace 3 Park Avenue March 2012 to Present Developed novel software to score the traffic  
sources (advertisement publishers) based upon the number of conversions they made for an  
advertiser who run their Ad-Campaign on the publisher's website. The publishers can further be  
scored according to advt. categories and geographical locations to provide the best match for an  
advertiser who wants to run a campaign and generate conversions. Assisted in developing a  
visualization system to compare the performance of ad campaigns over short and long periods of  
time on various traffic sources based upon cost per acquisition (CPA) and daily revenue.  
Technologies used were (express.js, async and node.js) Summer Intern Brookhaven National  
Laboratory June 2011 to August 2011 Worked towards developing a clustering algorithm for  
astronomical objects mainly Quasars. Work involved utilizing the correlation properties of  
waveforms of night sky objects in order to classify them rather than using old, time consuming  
clustering algorithms. All development was done in Python and scientific packages like NumPy and  
SciPy were used for mathematical analysis. Research Assistant University of Karlsruhe May 2009  
to July 2009 Contributed in developing a Linux based multithreaded program debugger Helgrind+  
(<http://valgrind.org/docs/manual/hg-manual.html>, an extension of Helgrind) with OpenMP support.  
Main language used for development was C. Improved the efficiency of the debugger by 5 percent  
by reducing false positives. Education M.S. in Computer Science SUNY Stony Brook University  
August 2010 to December 2011 Bachelor of Technology Computer Science (National Institute of  
Technology - Hamirpur, Uttar Pradesh August 2006 to May 2010 Links  
[http://www.linkedin.com/profile/view?id=124699222&trk=hb\\_tab\\_pro\\_top](http://www.linkedin.com/profile/view?id=124699222&trk=hb_tab_pro_top) Additional Information  
TECHNICAL SKILLS Programming Languages: C/ C++, Python, Javascript Tools & IDEs:  
MATLAB, Pycharm, VIM Operating Systems/Compilers: Linux, Windows, Solaris, GCC compiler  
Databases SQL, XML, Oracle, DB2, MongoDB, Vertica Visualization Packages/NLP packages  
Protovis, Prefuse, NLTK, Scikit, Lucene

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