

Stefan Hosein, August 2016 Update

NASA has buttressed my academic credentials exponentially. This is shown in my acceptance to Cambridge University for postgraduate study in October 2016. I was also able to publish two papers while at NASA and a technical report. Also, for my work on ACCEPT, a machine learning (ML) software, I received an award from NASA. Taking what I learnt at NASA, I was able to publish another paper in deep learning at the International Conference on Machine Learning, one of the top tier conferences.

I was able to make connections with Carnegie Mellon University, where I was able to meet top researchers in ML and understand what it takes to be at the top - this facilitated the two papers stated previously. Also, working with my mentor, Rodney Martin, I was able to meet a lot of additional researchers in my field and outside where I learnt a lot from them. Rodney wanted me back for another internship to continue my work and this allowed me further opportunities to grow and meet further acquaintances who I would not have met with only one term at NASA. This provided me with a net of researchers who I can message if I need help or assistance in research.

It was definitely a great opportunity, as it allowed me to grow culturally and academically. I met a lot of people from all over the world and shared a lot of unique and memorable experiences - concerts, festivals, clubs, sports etc. The work I learnt and the opportunities given to me by my mentor, was some that I could not get elsewhere. This experience was great since it allowed myself and Jason (initially) to get to experience something that local students would not get the opportunity to and for that I am very grateful.

I would like to reiterate the previous points, I enjoyed cultural and academic growth that I could not experience elsewhere.

In the short-term the research allowed me to publish papers and solidify my interest in ML. In the long-term I learnt a lot and am now able to pursue a postgraduate degree in ML at Cambridge and will continue to do research in this area knowing where it all started.

Stefan is a member of the TTLAB which consists of First-Class Honors graduates, Postgraduate Students and Faculty Members in Computer Science, Electrical Engineering and Mathematics at the University of the West Indies, St. Augustine. Its objective is to pursue research that is beneficial to society but also publication level quality. In their August 2016 semi-annual preview they present published research over the last six months and briefly describe work submitted for publication and ongoing work. Stefan's collaborative work is included in this preview:

S. Hosein and P. Hosein, "Improving Power Generation Efficiency using Deep Neural Networks", ICML Workshop #Data4Good: Machine Learning in Social Good Applications, New York, USA, June 2016.

S. Hosein , P. Hosein , W. Kattick, V. Rattan, "Application for Power Grid Fault Management", International Conference on Intelligent and Advanced Systems, Kuala Lumpur, Malaysia, Aug, 2016.