STEFAN HOSEIN

+44 7758 653866 ⋄ stefan.m.hosein@gmail.com

EDUCATION

- **Cambridge University. Honours: Distinction**   October 2016 - June 2017
  MPhil in Advanced Computer Science (Machine Learning and NLP)
- **The University of the West Indies. Major GPA: 4.26/4.3**   August 2011 - July 2014
  B.Sc in Computer Science

WORK EXPERIENCE

Google
Machine Learning Cloud Engineer   Jun 2018 - Present

· TBD

EF Education First
Machine Learning Engineer   Sep 2017 - May 2018

· Develop machine learning model to determine if students tried to write a sentence; SVM Logistic Regression, Neural Network
· Create API to analyze student responses and return possible capitalization, punctuation and spelling errors; Python

Trinidad and Tobago National Information Centre (TTNIC)
Machine Learning Researcher   Feb 2015 - May 2015 ,Sep 2015 - Jul 2016

· Designed a probabilistic method to detect failed electrical grid components of a small island state with an accuracy of 95% within 4 minutes.
· Compared deep learning algorithms to traditional methods for electrical load forecasting which showed an increase of 3% in accuracy; Python

National Aeronautics and Space Administration (NASA)
Machine Learning Intern   Sep 2014 - Dec 2014, Jun 2015 - Aug 2015

· Implemented the RANSAC algorithm into NASAs machine learning toolbox and wrote the developers guide for the toolbox; MATLAB.
· Developed a novel method of identifying causal features in data sets using autoregression and a Bayesian network.
· Decreased the false alarm rate and missed detection rate of the state-of-the-art by 10% and 20% respectively.

TECHNICAL SKILLS

Programming Languages	**proficient**: Python; **some knowledge**: Java, MATLAB, SQL, R **prior experience**: JavaScript, C
Technologies	MySQL, SQLlite, Eclipse, XCode, macOS/Windows/Linux, Theano

AWARDS

- **Software Initial Award:** Those who contributed substantially to one of NASA's software.   2016
- **Faculty Prize:** Top graduate in the faculty of Technology; apx. 600 students   2014
- **Atlantic Prize:** The most outstanding computer science graduate; apx. 70 students   2014
- **Margaret Bernard Award:** The graduate in CS with the highest GPA; apx. 70 students   2014