Student Profile

*Jonathan J. Allarassem*

I am an international student and rising sophomore at Grove City College where I am doing a BS in computer science. On campus, I am involved in the ACM (during coding competition mostly) and with Engineers with a Mission a club whose goal is to help non-profit or small organizations by solving engineering problems and raising money to support their work.

I like coding and learning new languages! Although I am fascinated with problems in machine learning in general, I really like to learn about Natural Language Processing techniques and the way we can teach a machine to communicate like a human.

My first project in NLP was to build a language detector with one of my friends. I oversaw the second layer of detection, a detector layer using Ngram to find patterns in different languages. Our software support 4 languages so far: German, English, Spanish and French. We are looking forward adding more languages.

Although I learned a lot in NLP during my first year of research at college, I would like to master more advanced vectorization techniques like vectors counts or word2vec.