Student Profile

*Jonathan J. Allarassem*

I am a 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. Recently we have been working with a college student in Uganda to help him start its own company. I work on the programming team and the challenge was to program an Arduino to give instructions to the motor and read the velocity of the blades. His company seeks to clean plastic instruments so that other people can reuse them.

I like coding and learning new languages! Although I am fascinated with problems in neural networks and machine learning in general, I really like to learn about Natural Language Processing and the way we can teach a machine to communicate like a human. My first project was to build a language detector with one of my friends. I oversaw the second layer of detection, involving an encoder 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.