Student Profile

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About me? ([link](https://allarassemjonathan.github.io/))

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 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 or understand human language. I am also interested into cryptocurrencies and the blockchain.

My first project in NLP was to build a language detector with one of my friends for fun! 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.

During the summer, I worked as a research undergraduate student and learn about Markov-chains. My first generative model was a first order Markov-chain. After I left this job I re used the approach that we used and implemented a third order Markov-chain that did surprisingly great! You can check the code in here.

I also own a blog where I discuss about funny/cool applications of AI in languages mostly. After I graduate from college, I would like to study more computer science and why maybe to become an AI researcher.