Dear Ansatz Capital,

I have strong research experience in quantitative fields, particularly in mathematical modelling, cryptographic systems, and machine learning, gained during my time in the Honours Mathematics and Computer Science program at McGill. I have completed a project supported by the National Science Foundation (NSF) on the computational neuroscience of alcohol addiction. I have coursework in numerical analysis, statistics, probability, discrete mathematics, machine learning, quantitative risk management, optimization, and algorithms; I have taken programming courses in C, Java, Python, C++, OCaml, with additional expertise in data science tools and JavaScript. I have self-studied *Options, Futures, & Other Derivates* by John Hull. I am a quick, flexible learner, and I am eager to develop quantitative strategies after graduating this May. My official GRE scores are 170/165 quantitative/verbal. My passion projects, mostly front-end development, can be viewed at nicholashayek.com.

Best,

Nicholas Hayek