MEMORANDUM

To: Dr. Franny Howes

From: Zak Rowland

Subject: Client Project Proposal

Date: April 24th, 2020

My client, who will be hypothetical, is a student interested in the automotive or aerospace industry that works with the computer systems that control a vehicle. This student would likely be studying computer engineering, electronic engineering, embedded systems engineering, or software engineering.

I would like to write a technical description about the Controller Area Network (CAN) bus, which is used in vehicles to allow the different electronics to communicate. The description would entail the *process* of sending data over the bus and will be a general description. A student or engineer who would like to work with computer systems in vehicles is the target audience for the description, so they likely will not be an expert on the subject already.

The technical instructions will also be related to the CAN bus. It will go over the *procedure* for decoding and interpreting a piece of data that is sent over the bus. This is also targeted towards an interested student or engineer, however a mechanic at home could also use information like this. This means I could create two different sets of instructions; however, I do not believe it will be necessary.

I chose this topic because I myself am interested in the automotive/aerospace computer industry, and my senior project will involve reading information from a CAN bus, so I want to learn more about it. I hope to learn all about the protocol and how to read information from the bus.