To whom it may concern:

I am sending you the enclosed resumé in response to learning of your research into **vehicle architecture for driverless e-cars**. With my avid interest in a connected future and ongoing education in Mechanical Engineering, Computational and Applied Mathematics and Software Development at The University of the Witwatersrand, as well as my skills in team collaboration and project support, I believe I am a strong candidate for this research.

Most recently, I have been and am still currently developing software for Mahele Auto Doctor – a company that is well established in the South African motor industry. The company focuses on, among other things, vehicle repairs and maintenance, fleet management, vehicle tracking, courier services and assistance.

The working system I have designed manages to stream live vehicle analytics from any vehicle, anywhere, in real time via an on board diagnostics dongle (OBDII). The company's clients vehicles can be anywhere in the world and as long as their phones have internet access, their vehicle parameters such as engine speed, engine temperature, engine runtime, fuel consumption, air-fuel ratio, mass air flow, throttle position etc. can all be accessed via an online web application dashboard.

Furthermore, through the Mahele Auto Doctor mobile application, both on Android and IOS (beta) clients can make vehicle bookings, view their invoices, approve/decline stated quotes, request fuel top-ups, initiate a real time chat session with any of the qualified technicians and broadcast emergency distress signals.

I have also developed software related to Blockchain Technology and the Foreign Exchange Markets.

Part of the Mechanical Engineering degree that I am still to finish includes Design in which I have worked in multiple teams to complete design projects. This included listing product requirements and specifications, running simulations, testing for failure and creating 3D models using AutoCAD. All of which are critical engineering design skills and, coupled with 3 years of team collaboration experience, I think gives me a strong team work foundation to leverage in this research.

Throughout all of my experiences, I have used my dedication to efficient and creative problem solving to overcome technical challenges in the systems engineering space in the most cost effective way.

As an undergraduate, I have balanced a rigorous course load and a number of extracurricular activities that have allowed me to enhance my skills relevant to this research. I am thirsty for knowledge and I crave a deeper understanding of the future of the motor industry and, if given the opportunity to be a part of it, I know that I can make a positive impact in driverless e-cars research as well as drive innovative results.

Thank you for your time.

Yours sincerely,

Jabulani Kunene

3rd Year Mechanical Engineering/Computational & Applied Maths Student
University of the Witwatersrand.