Dear respected hiring manager,

As a candidate with an initial academic background in the physical sciences, I can provide fresh perspective while pursing my career aspirations within software development. As I embark on my second degree in Software Engineering and ideally, at Keysight Technologies, I hope to apply the problem-based learning, self-directed inquiry, and research skills garnered from my science background.

My curiosities in software development and computer science sparked halfway through my undergraduate career. Since, I have made a consistent effort to enroll in related courses. Most notably, I have excelled and taken most interest in Data Types and Structures, and Software Development. Through academic courses and self-taught initiatives, I have developed a functional understanding of the following languages: Python, C/C++, Java, PHP, HTML, CSS, and Arduino. Furthermore, exposure to arithmetic application and standardized testing have equipped me with thorough testing procedures and swift coding capabilities. Although it is unconventional to immerse myself into Software development while studying in a different field, I believe that my path has allowed me to develop self-discipline, appreciate interdisciplinary approaches, and foster a genuine passion for programming – assets that would allow me to succeed with Keysight Technologies.

My extracurricular commitments also contribute to why I am a strong candidate for this position. Currently managing the energy sector of a student-based design team, I am developing a vertical take-off and landing (VTOL) vehicle prototype to compete in the 2018-2019 International GoFly competition. Consequently, I have gained experience working with Arduino sensors, programming large scale sensor modules, and exploring different transmission protocols. I have also developed my leadership skills, ability to collaborate in a large team dynamic, and effectively integrate and implement input. I have also pursued a solo-project developing a running dedicated web server. I believe that this endeavor showcases my strong motivation to learn, and perseverance. Learning from scratch, I have advanced my research ability as an asset to problem solving, flourished creativity whilst developing, and practiced discipline in thorough planning and adhering to self-made deadlines.

Given my background, I believe that an internship opportunity would allow mutual benefit for Keysight Technologies and myself. I hope to gain an in-field understanding of software development while positively contributing to the projects that are currently shaping the field as we know it. I hope to gain professional mentorship while assisting the best I can to further Keysight Technologies directives and innovation.

Thank you for taking the time to consider my application. I look forward to working together.

Kind regards,

Michael Malinowski