Lucas is an interdisciplinary scientist who uses a top-down approach to design financially viable solutions to contemporary problems across industries. Since founding the company BioAnalytics, Lucas has acted as a research director of over 45 student employees developing a rapid point of care device, medical image refinement technology, high efficiency solar thermal dishes, and computer software. BioAnalytics is preparing to launch several products, including an extension, Illuminate, which facilitates web browsing by automatically navigating users to material relevant to their searches, as well as technologies which increase water efficiency and reduce the spread of pathogens in lavatories. Lucas believes that it is his ability to cultivate lasting collaborations and facilitate innovation within his organization which has allowed him to become the director of such a promising portfolio of technologies.