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*MS Mechanical Engineering - May 2017*

**General Electric**

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Dear Sir or Madam,

I am Cyril Bernardo, a MS Mechanical Engineering student at New York University. Taking part in General Electric's Edison Engineering Development Program for Photonics would be a great next step in my career as an aspiring engineer. The Edison Engineering Development Program advertises an eclectic program with rotations in a wide range of places; this is perfect for me as someone who has a diverse background in government research, laboratory research, technology, and leadership.

In the past, I have worked with developing tools that utilized optoelectronic components. For a Mechatronics class, I prototyped a solution to prevent vehicular heat stroke in pets and children by altering a car door that would actuate based on stimuli to infrared sensors. This past summer, I developed a computer vision tool using live feed data from off-the-shelf webcams at Warby Parker. In my current internship at the NASA Johnson Space Center, I am processing acoustic data as well as developing multi-physics analyses in COMSOL. Along with my technical experience, I value my roles as a leader; I have had the opportunity to work with students of different majors as well as professors and other staff throughout the university as the 2015 Orientation Captain. I am also very proud to have founded the first professional engineering fraternity, Theta Tau, at New York University. Although wide-in-breadth, all experiences combined has shown me the importance of being skilled in a variety of fields.

If there is anything that my time in school has taught me, it is to always take the chance to do something different and to do something meaningful—I hope to fulfill this with General Electric. I look forward to speaking with you to give and gain insight on my experience and the Edison Engineering Development Program.

Yours faithfully,

**Cyril Jerome Bernardo**