

**The Eleventh of Twelve**  
**Jonathan Paul**  
**2020 Steinbeck Scholarship Recipients**



Dear Sisters and Brothers in Christ,

Thank you for your continued and generous support of Christ's church here in the States and His missions overseas. Thank you, also, for the generous investment you've committed to the educations of us missionary children. As I near the end of my undergraduate studies, I am especially humbled whenever I think of all the kind-hearted people that God has placed in my scholastic career that have helped me along the way.

I am currently a senior studying mechanical engineering at the University of Wisconsin – Milwaukee. My fields of focus within the mechanical discipline are product design and mechatronics. Besides my studies, God has blessed me with three internships and multiple academic research opportunities

in the last few years. I am the son of Rev. Dr. Michael and Jen-Yi Paul who are currently serving the Lord in Taiwan through teaching, preaching and theological resource development.

My latest research position at the university involves designing and prototyping robotic systems to automate high precision yet repetitive lab tests for finding the resistivity across an X-by-X nodal mesh. While it would normally take a lab technician over 25 minutes to painstakingly measure all possible resistivity combinations across a 36-node concrete surface sample, the platform I developed is able to automatically perform the entire test in under 100 seconds.

One of the industry experiences that I have had the privilege to participate in was an 8-month full-time product design internship at the Master Lock Company. My primary project involved developing complex automation fixtures capable of cycling combination locks for the purposes of product validation. The primary robotic platform that I designed had the ability to efficiently perform reoccurring cycle tests on over 10 product lines with a cost-reduction of over 85 percent for each test. In addition to being able to hone my mechanical design skills, I was able to learn circuit board design, and even had the opportunity to lead the development of my own line of custom robotic controllers. Together, my technical solutions and creative problem-solving tactics had the result of saving the company tens-of-thousands of dollars in operating expenses per-quarter.

This summer I will be resuming my last internship at Milwaukee Tool doing new product development and R&D/concept engineering. If in God's mercy I continually demonstrate myself to be a good fit in my workgroup and in the corporation at large, I hope to receive a full-time job offer by the end of the summer.

Through the abundant grace and mercy of God I have been able to attain a tremendous amount of academic and industry achievements over my undergraduate education so far. After I graduate this fall, I hope to continue to use the gifts that God has given me to design and fabricate mechanical systems here in Milwaukee.

Thank you once again for your continued financial and spiritual support, both for myself, and the church. May the Lord bless you and your congregations.

In Christ,  
Jonathan Paul