**Paul Tran**

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*Applying for a mechanical engineering intern position with my experience from Klein Tools and S&C Electric Company. Offering hands-on experience in manufacturing, but open to gaining experience in other fields of mechanical engineering. Striving to be a productive team member who exceeds the company’s goals and expectations.*

Education

**University of Illinois at Chicago (UIC)** *Chicago, IL*

Bachelor of Science in Mechanical Engineering (BSME) Expected: Dec 2019

Internships

**Klein Tools** *Elk Grove, IL*

*Mechanical Engineer Intern* May-Aug 2018

Dec 2018-Jan 2019

* Designed and updated 3D models/prints of parts and die used by the Engineering Department
* Improved the efficiency of setup time for driving keys out of die by reducing distance traveled by half
* Created procedures for die lifting setup and for the use of a Mitutoyo Surface Roughness Tester
* Conducted surface roughness and grip straightness testing for company die and parts

**S&C Electric Company** *Chicago, IL*

*Connectivity Lab Intern and Vista Room Assistant* May-Aug 2015

May-Aug 2016

* Modified software/firmware/files of 100+ SpeedNet radios for the company’s Chicago campus
* Drafted and edited documents containing information and procedures on the use of radios
* Designed and assembled a control rack containing intellinodes, intellirupters, and SpeedNet radios
* Analyzed the use for all parts used to make the company’s Vista Underground Distribution Switchgears
* Improved the efficiency of production for Switchgears by designing and organizing racks containing hundreds of parts

Projects at UIC

*ME347 CAD Project*  Spring 2018

* Drew out conceptual car parts (cylinders, pistons, connecting rods) using SolidWorks
* Created and assembled all parts in an animation showing its main mechanism

*ME250 Group Project* Spring 2016

* Researched and designed the mechanism of a glider using SolidWorks
* Tested final design, achieving 75% of the distance needed to be traveled

*ME396/397 Senior Design Project – Thule Co* Fall 2018

Spring 2019

* Researched methods for sorting different plastic scraps to be reused (ABS, HDPE, Acrylic)
* Created a proof of concept based off of Thule’s problem and needs
* Currently developing a sorting process that can potentially yield the company $500,000 over 10 years

Skills

* Proficient with Microsoft Office and CAD software, SolidWorks
* Working knowledge with conducting simulations in ANSYS and coding in C++ and Matlab

Extracurriculars

*American Society of Mechanical Engineers (ASME)* 2017-Present

*Vietnamese Eucharistic Youth Society (VEYS)* 2002-2017

* Led Vietnamese youth through various community service projects and activities
* Coordinated with chapters across the Midwest for annual events