

# TIANCHENG "TC" YANG

tianchey@andrew.cmu.edu  
(484) 934-2802  
www.tcyang.com

## SKILLS

### Creativity

Adobe Ps, Lr, Pr  
Final Cut Pro  
Sketch  
3ds Max  
HTML & CSS

### Efficiency

Microsoft Office

### Engineering

Arduino  
Manual Machining  
SolidWorks  
Matlab

### Languages

Native Chinese  
Fluent English  
Intermediate Japanese

### Others

Public Speaking  
Video Making  
Photography

## EDUCATION

Carnegie Mellon University - Pittsburgh, PA  
Master of Integrated Innovation of Product and Services

Dec 2020

Lehigh University - Bethlehem, PA  
Bachelor of Science

May 2019

in Integrated Degree of Humanities and Engineering  
Concentrations: Mechanical Engineering & Product Design

## INDIVIDUAL PROJECTS

### SusProg3D Redesign: UI/UX Designer

June 2018

- Conducted user research through interviews, clickstream analysis and prototype testing.
- Utilized Sketch and Miro to re-design the user interface and information architecture of SusProg3D.
- Reduced operational error and operation time by about 25% and 50%, respectively.

### Best of Time: UI/UX Designer, Industrial Designer

July 2018

- Analyzed how millennials interact with different types of memento through surveys and interviews.
- Utilized Sketch and Miro to design the user interface following Apple's design guideline.
- Proposed an algorithm to auto-select user's favorite photos
- Designed an album stand with SolidWorks and prototyped with 3D printing.

## EXTRACURRICULAR COMPETITION

### Lehigh Formula SAE: Suspension Design Lead

Aug 2017 - May 2019

- Designed the suspension system with SolidWorks and SusProg3D.
- Taught vehicle dynamics to new members through presentations and hands-on practice.
- Improved skidpad and acceleration time by 10% and 20%, respectively.
- Improved overall team ranking and engineering design ranking by 30 percentiles each.
- Utilized Final Cut Pro to produce promotional videos and in collaboration with marketing team, increased team fund 60%.

## EMPLOYMENT EXPERIENCE

### NIO Automotive: Intern Engineer & Operation Assistant

July 2019

- Fixed prototype vehicles at the suppliers as a team representative
- Collected and analyzed air suspension data for debugging.
- Managed Bill of Material for the Chassis Department.
- Organized weekly department meetings and documented meeting minutes.