NAME

Website| e-mail | phone number

EDUCATION

Tsinghua University Beijing, China

BS in Mechanical Engineering; Minor in Computer Science August 2015 – July 2019

- GPA XXX; Ranking XXX
- Awarded XXX scholarship in the Department of Mechanical Engineering for 3 consecutive years

University of California, Berkeley Berkeley, California

Exchange Student, Mechanical Engineering August 2017 - January 2018

- GPA 4.0/4.0
- Conducted research on robotic manipulators at XXX; One paper in submission

PUBLICATIONS AND PATENTS

XXX

** In this paper, we XXX*

PROJECTS AND EXPERIENCE

Aptiv Mountain View, California

Autonomous Vehicles Perception Algorithm Development, Intern July 2018 – September 2018

- Deployed neural networks for HD Map creation and lane marking detection
- Utilized openCV for computer vision tasks, primarily the post-processing of neural network output
- Achieved state-of-the-art algorithm speed at 50 fps and delivered the tool as a software package for the team

Department of Mechanical Engineering, UC Berkeley Berkeley, California

Exoskeleton Hip Design for Kids with Cerebral Palsy, Project Software Lead September 2017 – December 2017

- Designed and CAD'ed the prototype that converts SEA linear motion into desirable hip joint motion
- Implemented the gait generation code on STM32 board and realized real-time natural gait generation and intelligent starting/stopping mechanism on the manufactured exoskeleton device

SELECTED HONORS

- **Petro China scholarship** (departmental, 2016)
- **Outstanding Leadership Award** for student leaders in technology associations (1 in each department)
- **Outstanding Award for Academic Records** (top 30%, departmental, three consecutive years)
- **Second prize** (top 5%, national) in the 33rd Undergraduate Physics Competition in China

LEADERSHIP

Vice president, Association of Mechanical Engineering Students for Science and Technology June 2016 - Present

- Maintained mechinfo.me, a student-based website for information sharing and cloud storage
- Lead a team on web development and maintenance; Trained incoming members
- Coordinated the collection and distribution of academic resources for Mechanical Engineering undergraduate students

SKILLS

Programming	MATLAB, Python, C++, javascript	**CAD**	Solidworks, AutoCAD
Embedded System	STM32 , Arduino, Pixhawk	**Robotic System**	PX4 (RTOS), ROS
Simulation	SIMULINK	**Prototyping**	3D printing, laser cutting, CNC
Deep Learning	caffe, pytorch	**Software Library**	openCV, openGL