

YIDE (FRED) SHENTU

2161 Allston Place
Berkeley, California 94704
Mobile: 5103841864
fredshentu@berkeley.edu

EDUCATION

University of California at Berkeley, 2014-2018 (expected)

Bachelor of Science

Majors: Physics, Math and Computer Sciences.

Major GPA: 3.95, Dean's List

Publication

- **Learning instance segmentation by experimentation**

Yide Shentu*, Dian Chen*, Deepak Pathak*, Pulkit Agrawal, Sergey Levine, Trevor Darrell, Jitendra Malik
Under review of Computer Vision and Pattern Recognition (CVPR) 2018 (will be available on arXiv soon)

- **Zero-Shot vision imitation**

Deepak Pathak*, Michael Luo*, Parsa M.*, Dian Chen, **Yide Shentu**, Evan Shelhamer, Alexei Efros, Trevor Darrell, Pulkit Agrawal

Under review of International Conference on Learning Representation (ICLR) 2018 [Openreview](#)

- **Probabilistically safe policy transfer**

David Held, Zoe McCarthy, Michael Zhang, **Fred Shentu**, Pieter Abbeel
International Conference on Robotics and Automation (ICRA) 2017

AWARDS

- 2013 AMC School Winner
- Chinese national athlete at second level (F3A)
- 2012 Chinese National High School Student Physics Competition, First Price of Zhejiang Province
- 2013 Chinese National High School Student Math Competition, First Price of Zhejiang Province

WORK EXPERIENCE

Electronic and Mechanical Engineer in Rcexl (Jinhua, China, 321000), 2013-present

- Maintained controlling algorithms and ignition system of small gas internal-combustion engines
- Developed prototypes of new Electronic Speed Controller for brushless motor with and without position sensors

Hardware Engineer and Mechanical engineer of Lux Board, November 2015-November 2016

- Developed brushless motor controller for electric skateboard and designed ultralight deck with composite material

TEACHING EXPERIENCE

Reader and Teaching Assistant for CS70 Fall 2015, August 2015-December 2015

Reader and Teaching Assistant for EE16B Spring 2016, December 2015-January 2016

Reader and Teaching Assistant for CS189 Fall 2016, August 2016-December 2016

TECHNICAL SKILLS

- **PROGRAMMING SKILLS**

Python, C, C++, Java, Matlab, Tensorflow, Keil, Arduino, ROS, Latex

- **OTHER SKILLS**

Unigraphics, Rhino, Protel 99se, Build and test embedded System

Professional-level adjusting and controlling Remote Control Model, including Cars, Helicopter, Fixed-wing aircraft
Mathematical analysis

PAST PROJECTS

- Developed a control system (based on Robot Operation System) for a low-cost cable-driven robot arm
- Developed Engine Control Union for Electronic Fuel Injection Model Gas Engines and Model Jet Engine
- Designed vision based flight control system of Unmanned Aircraft base on ArduPilot Mega
- Designed a robust protocol to transmit digital bits via acoustic devices