Weimeng **Pu**

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Education

Universita della Svizzera italiana	*Lugano, Ticino, Switzerland*
M.S. IN ARTIFICIAL INTELLIGENCE	*Sept 2018 - (Exp)Jun 2020*

(Expected Jun 2020) thesis: machine-learning based foveated rendering (advised by Piotr Didyk)

San Jose State University	*San Jose, California, United States*
B.S. IN COMPUTER SCIENCE, HONORS	*Aug 2014 - May 2018*

Experience

Software Solutions Consultant Intern

AVALOQ   *Sept 2019 - Dec 2019*

- Worked in Robotic Process Automation team
- Built a proof of concept for automating incoming security transfer instructions arrive via email

Robotics Algorithm Engineer Intern

SEGWAY ROBOTICS   *Jun 2018 - Sept 2018*

- Worked in Loomo Delivery team
- Researched on drivable area segmentation and lane markings detection that support vision-based localization on bikeways

Deep Learning Engineer Intern

TUPUTECH   *May 2017 - Aug 2017*

- Worked in Mobile AR team
- Optimized robustness of face detection algorithms by training on two unconstrained benchmark datasets (FDDB and WIDER FACE)
- Supported commercialization of existing algorithms
- Surveyed on state-of-the-art deep learning models for object detection

Lab Instructor and In-Class Teaching Assistant

CS 46A (INTRODUCTION TO PROGRAMMING) & CS 49J (PROGRAMMING IN JAVA)   *Jan 2017 - May 2018*

Projects

Pick and Place in 3D Perception (ROS, Gazebo, Python)

PERCEPTION   *Oct 2017*

- Completed a tabletop pick and place operation using Willow Garage PR2 robot outfitted with an RGB-D sensor
- Applied filtering, RANSAC plane fitting and clustering with extracted features to isolate objects of interest from rest of scene

Honors & Awards

2018-2019	**First-year Scholarship**,	Università della Svizzera italiana (top admitted student)
2016	**3rd Place**,	American Statistical Association Undergraduate Statistics Class Project Competition
2016	**The Google Games Division II Bay Area Coding Winner**,	Google
2014-2016	**Humanities Honors Program**,	San Jose State University (top admitted student)
2012	**Outstanding Presentation Award**,	Harvard AUSCR China Thinks Big Competition