DU Yinwei

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(86) 15172351620, ydual@connect.ust.hk

EDUCATION

High School Diploma   *09/2013 – 06/2016*
Wuhan No.2 High School, Wuhan, Hubei
687/750 in College Entrance Examination

Bachelor of Engineering in Computer Engineering   *09/2016 – Present*
Hong Kong University of Science and Technology, Hong Kong SAR.   *GPA: 4.105/4.3*

Exchange Program   *09/2018 – 01/2019*
Swiss Federal Institute of Technology in Zurich, Switzerland   *TGA: 5.34/6.0*

RELATED COUSEWORK

- COMP 2012H Honors Object-Oriented Programming and Data Structures
- COMP 3711H Honors Design and Analysis of Algorithms
- COMP4901L Foundations of Computer Vision
- COMP5712 Introduction to Combinatorial Optimization (graduate level)
- 263-2210-00 S Computer Architecture (graduate level)
- 252-0543-01 S Computer Graphics (graduate level)

RESEARCH EXPERIENCE

Research Assistant   *02/2019 – Present*
Hong Kong University of Science and Technology, Hong Kong SAR.
Supervisor: Prof. Chi-Keung Tang and Dr. Yu-Wing Tai
Research Topic: A Parametric Approach for Generating and Estimating 3D Quadruped Poses
- Developed a parametric approach for generating a massive synthetic dataset for quadrupeds
- Proposed two novel network architectures for 3D animal pose estimation

WORK EXPERIENCE

Lab Assistant   *09/2017 – 12/2017*
Hong Kong University of Science and Technology, Hong Kong SAR.
- Prepared the lab material for ELEC 1100
- Answered the questions students raised during lab
- Verified the correctness of students' lab procedures

EXTRA-CURRICULUM

IT Secretary   *02/2017 – 02/2018*
Chinese Folk-Art Society, HKUSTSU
- Maintained the society website and added new features
- Led and helped organize several students' activities

Peer Mentor   *09/2017 – 04/2018*
Mainland Students and Scholars Society, UG Section, HKUST
- Organized activities to help new students get used to the university life
- Gave academic advices and consultations for new students

SELECTED PROJECTS

Computer Graphics Course Project (Nori 2) ✇   *09/2018 – 12/2018*
- Implemented a simple render based on the Nori framework
- Extended the following features: Thin Lens, Spotlight, Image Texture, Bilateral Filter, Disney BRDF and Homogeneous Participating Media

Auto-drawing Machine ✇   *02/2019 – 05/2019*
- Course Project for ELEC3300: Introduction to Embedded Systems
- Built an outdrawing machine which can operate in 3 modes:
  Drawing from an image pre-stored in the SD card
  Drawing by directly controlled through a touch screen
  Drawing by controlled from a mobile phone via Bluetooth

ACHIEVEMENTS AND SCHOLARSHIPS
- **Dean's List**   Every semester from Fall 2016 till now
- **Kerry Holdings Limited Scholarship**   Every semester from Fall 2016 till now
- **Lee Hysan Foundation Exchange Scholarship**   2018-19 Fall
- **Championship at the Cyber Defenders Challenge**   05/2019
  Co-hosted by School of Business, HKUST and China Everbright Bank (Hong Kong Branch)

LANGUAGE AND SKILLS
- *Mandarin*: Native or Bilingual Proficiency
- *English*: Full Professional Proficiency
- *German*: Elementary Proficiency
- Skilled in C/C++, Python, MATLAB and Verilog