

Yucheng Chen

Personal Information

NATIONALITY	Chinese
GENDER	Male
MOBILE PHONE	+86(0) 15202911465
BIRTH DATE & PLACE	1989.12.07 Hebei, China
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AFFILIATIONS	Northwestern Polytechnical University (NPU), China

Education

2016.3 - PRESENT	PhD candidate Major: Information and Communication Engineering School of Electronics and Information, NPU (985, top 25) Research Interest: Machine Learning, human action recognition, Image Classification
2013.9 - 2016.1	Master Major: Electronics and Communication Engineering School of Electronic Engineering, Xidian University (XDU, 211, top50) Dissertation: CALIC Encoder Design for Remote Sensing Images, FPGA GPA: 80/100
2009.9 - 2013.7	Bachelor Major: Information Countermeasure Techniques School of Electronic Engineering, Xidian University (XDU, 211, top50) Dissertation: Optimization of Image Transform Coding Algorithm, FPGA GPA: 80/100

Selected Projects

- 2013.10 - 2015.10 **Multi-channel Video Signal Processing Chip Test System**
Project engineer: Implement system based on FPGA(Virtex-6), composed by three subsystems.
 - Upper computer software based on LabVIEW.
 - An 8-layer CCD signal generation/acquisition PCB involving a 16-bit DAC and test chip.
 - A 10-layer data processing PCB involving FPGA, USB interface, Cameralink interface.Supported by Subproject of Major Program of National Natural Science Foundation of China
- 2015.01 - 2016.01 **Context-based Adaptive Lossless Image Codec(CALIC) System**
Graduate Research: Simulation system based on FPGA. Design of FSM, FIFO, dual port RAM and pipeline. Simulation frame rate of 28 frames per second on 512×512 remote sensing images.
- 2014.05 - 2015.05 **Physical Monitoring Technology Based on Kinect (score 91/100)**
Project engineer: A non-contact method to detect multiple students physical fitness tests. Design of posture library and criteria for each tests. Coordinate mapping skeleton & RGB image.
Supported by Chinese Universities Scientific Fund

Awards & Honors

2015	<i>First-class Scholarship of XDU</i>	
2014	<i>Third-class Provincial Prize</i>	Graduate Electronics Design Contest
2014	<i>First-class Scholarship of XDU</i>	
2013	<i>First-class Scholarship of XDU</i>	
2011	<i>Third-class Scholarship of XDU</i>	
2010	<i>Second-class Scholarship of XDU</i>	

Skills

- **Textbook Knowledge & Beyond:** Digital Image Processing, Stochastic Processes, Matrix Theory, Nonlinear Signal and Image Processing, Introduction to Computing(Coursera), Python Special Courses(Coursera), Machine Learning(Coursera), Intro to AI(UC Berkeley CS188), Convolutional Neural Networks for Visual Recognition(Stanford University CS231n)
- **Programming:** C/C++, Python, Matlab, Verilog HDL, LabVIEW, Latex, caffe, keras
- **Work language:** English (TOEFL Score: 75, two years ago), Chinese

References

- **Prof. Ming-yi HE**
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