

Hongchang Peng

curriculum vitae

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Objective

PhD degree in the field of "Computer Vision, Image Processing and Computer Graphics"

Research Interests

Computer Vision, Image Processing and Computer Graphics.

Education Background

Sep.2005–
present

University of Science and Technology of China (USTC),

Candidate for Bachelor in Electronic Engineering and Information Science, expected July, 2009

Overall GPA: 3.44/ 4.3 Math Related GPA:3.88/4.3 Major GPA: 3.65/4.3

Weighed Score: 85.14 / 100

Scholarships & Awards

2006 2007 Outstanding Student Scholarship Grade Two of USTC

2007.1 Third Prize in the Dissertation Competition on Electromagnetic Researches

Experience

Research

2008.10-Present

Currently researching into Plate Detection System.

○Innovate with improved version of Adaboost learning algorithm

○Central target is to accelerate the running speed, while retaining the detection rate.

2008.6-2008.10

Intern as the Research Assistant of the Key Laboratory for Complex Systems and Intelligence Sciences, Institute of Automation at the Chinese Academy of Sciences.

○Propose and find out an improved method for Single document Keyword Extraction, without using a corpus

○Improve the precision rate and recall rate from average 45% to above 50% in the news keyword retrieval, according to the simulation result;

- 2007.10-2008.4 **Multi-Media Tech. Lab, USTC.**
 ○ Design a GUI interface and MFC program for operations in Image Processing, both in spatial and transform domain.
 ○ Multi-media experiments, which work on programs such as the transmission of multimedia through email, the API based programming and so on.
- 2007.9-12 **Iflyteck research lab.**
 ○ Participate in the seminar about Pattern Recognition and the latest utility of the machine learning theories in the speech signal processing.
- Extracurricular**
- 2008.6-10 **Volunteer for the anniversary of the campus.**
 Selected into the special group to receive the distinguished guests
- 2007-Present **Senior Member of Campus Photography Association.**
 1. Full-time Photographer for school beauty upon their requests
 2. outdoor photography journeys on a monthly schedule
- 2006.9-present **Senior Member of Microsoft Club of USTC.**
- 2005.9-2006.9 **Associate Director in the USTC Student Union.**
 1. as the assistant director in Event Organizing Committee (in charge of the management of the major activities)
 2. Jointly organizing and managing activities such as "USTC Star Champion in Basketball", "Best Cook on Campus".

Languages Standard Test

TOEFL	Total 105	<i>Reading 29, Listening 25, Speaking 23, Writing 28</i>
GRE	600+800+4.5	<i>Verbal: 600, 85%; Quantitative: 800, 94%; Analytical Writing: 4.5, 54%</i>

Computer Proficiency

Programming Skills	C/C++, Java, Assembly Language, VHDL, SQL etc.
Tools	Matlab, Latex, MS Office, Adobe Photoshop, etc.



Reg. No.: PB05210213		Name: Peng Hongchang		Birth Date: 06/08/1987		Enrl. Date: 2005/09	
Department of Electronic Engineering and Information Science						Grad. Date: 2009/07	
Speciality: Electronic Information Engineering						GPA: 3.44	
Course Title (Fall Term)		Gr.	Hr./Cr.	Course Title (Spring Term)		Gr.	Hr./Cr.
2005	Mechanical Engineering Drawing	74	40/2.0	2006	Basic Physical Education Option	B+	40/1.0
	Single Variable Calculus	98	120/6.0		Multivariable Calculus	87	120/6.0
	Linear Algebra	95	80/4.0		College English(2)	95	80/4.0
	College English(1)	97	80/4.0		Basic Physics Experiment	86	54/1.0
	Basic Physical Education	A-	40/1.0		Mechanics and Thermodynamics	85	80/4.0
	Introduction to Mao Zedong's Thoughts	84	40/2.0		Principles of Marxist Philosophy	92	60/3.0
	Fundamentals of Laws	89	40/2.0		Electronic Circuits Basic Theory	95	60/3.0
	Moral Accomplishment for Students	85	40/2.0		Exp. of Electronic Circuits Basic Theory	90	30/5
	C Language Programming	92	70/2.5		*Communicative Training for College Students	B-	40/2.0
	Computer Culture	91	40/1.0		*Management Psychology	B+	40/2.0
2006	Physical Education Option(1)	A-	40/1.0	2007	Mathematical Physics Equations(A)	92	60/3.0
	Function of Complex Variable(A)	95	60/3.0		Signals and Systems	76	80/4.0
	Probability Theory and Math. Stat.(B)	82	60/3.0		Stochastic Processes	92	40/2.0
	College English(3)	93	80/4.0		Modern Physics Experimental Technology	84	54/1.0
	Comp. and Student-creative Phys. Exp.	89	54/1.0		Optics and Atomic Physics	71	80/4.0
	Electromagnetics	85	80/4.0		Deng Xiaoping's Thoughts	81	60/3.0
	Principles of Political Economy	79	40/2.0		Digital Logic Circuits	88	60/3.0
	Data Structure and Its Algorithm	93	100/4.0		Experiment of Digital Logic Circuits	B-	30/5
	Military Theory	Pass	40/1.0		Linear Electronic Circuits	87	60/3.0
	Fundamentals of Database	78	60/2.5		Exp. of Linear Electronic Circuits	75	30/5
2007	Computational Methods(B)	90	40/2.0	2008	Physical Education Option(2)	B+	40/1.0
	Digital Signal Processing	80	60/3.0		Computer Network	69	80/3.5
	Microcomputer Principles and Systems	72	120/5.0		Discrete Mathematics	65	60/3.0
	Information Theory(A)	93	60/3.0		Introduction to Digital Image Processing	84	60/3.0
	Nonlinear Electronic Circuits	77	60/3.0		Digital Signal Processing Laboratory	A	20/5
	Electromagnetic Field Theory	77	60/3.0		Fundamentals of Microwave Technology	83	80/3.5
	Nonlinear Electronic Circuits Laboratory	76	30/5		Principles of Modern Communication	78	80/3.5
	Selected Reading of the Classic of Nobel Econ	A	40/2.0		Undergraduate Research Project	B+	0/6.0
	Photography	B+	40/2.0				
	Senior Design Project Laboratory	90	20/5				
Statistical Analysis of Signals	83	60/3.0					
				Thesis:			
				Supervisor:			
				Grade:			

GPA Calculation:

Centesimal Grade 100~95 94~90 89~85 84~82 81~78 77~75 74~72 71~68 67~65 64 63~61 60
 Letter Grade A+ A A- B+ B B- C+ C C- D+ D D-
 Point Value 4.3 4 3.7 3.3 3 2.7 2.3 2 1.7 1.5 1.3 1

$$GPA = \frac{\sum (\text{Course Credit} * \text{Course GP})}{\sum \text{Course Credit}}$$

ABF: Absent/Failure; DF: Deferred; I: Incomplete; IV: Invalidation

Dept. Head: Wu C Registrar: Cao Wenping

Section of Teaching Affairs: G

