Cheng-Lung, Peng

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Education

National Taiwan University, Taipei, Taiwan
Master of Science in Computer Science and Information Engineering Sept. 2011 - Aug. 2013
(GPA: 4.20/4.30)

National Cheng Kung University, Tainan, Taiwan
Bachelor of Science in Computer Science and Information Engineering Sept. 2007 - June 2011
(GPA: 3.89/4.0)

Skills & Qualifications

7+ years of programming experience using C/C++ on Linux and MS Windows
1+ years of programming experience using Java with Eclipse IDE
1+ years of programming experience using HTML and JavaScript

Language Abilities

Chinese: native
English: intermediate
Japanese: beginning

Honors & Awards

Academic Achievement:
National Outstanding Collegians in Taiwan, 2011
Presidential Award in National Cheng Kung University, 2008-2009

Programming:
Second Place, Southern Collegiate Programming Contest, 2011
Honorable Mention, ACM-ICPC Asia Kaohsiung Regional Contest, 2010
Third Place, National Collegiate Programming Contest, 2010
Rank 6/124 (3.8%), Basic/Graduate Programming Exam, Oct. 11, 2010
Seventh Place, Central Collegiate Programming Contest, 2010
Rank 1105/3000 (37%), Google Code Jam Round 2, 2010
Rank 806/3075 (26%), Google Code Jam Round 1C, 2010
Third Place, Southern Collegiate Programming Contest, 2010
Third Place, CSIE Programming Contest in NCKU, 2010
Fourth Place, C/C++·Java programming contest in Yuan Ze University, 2010
Second Place, CSIE Programming Contest in NCKU, 2009

Others:
Second Place, Mahjong Contest in Taoyuan City, Sep. 5, 2015
Second Place, Mahjong Contest in Zhongli Dist., Taoyuan City, June 2015
First Place, Mahjong Contest in National Taiwan University of Science and Technology, 2011
Semifinals, Microsoft Third Teenage Reasoning King, 2008

Related Experience/Projects

Related Experience:

VIVOTEK, New Taipei City, Taiwan
Firmware Engineer in the Department of Project Development Dec. 2014 - Present

Thesis:

Topic: Delay-sensitive In-network Data Aggregation for Server-centric Datacenters
Advisor: Cheng-Fu Chou (周承復)
Laboratory: Communications and Multimedia Laboratory

Thesis Summary: In this paper, we investigated the problem of minimizing bandwidth consumption through data aggregation in on-line and deadline-aware services for server-centric data center networks. We know that the amount of processing data is enormous in these services, and therefore we can make a lot of profit even though we only save a small portion of total bandwidth consumption. We formulate the problem as an Integer Program to show the difficulty of solving it in polynomial time. After that, we propose an algorithm that uses the property of multiple paths between servers to build a shortest-path Steiner tree. We evaluate its performance against the optimum and other works about solving the Steiner tree problems. Our results confirm that our SDC aggregation-tree algorithm can achieve lower bandwidth consumption (about 18.5%) and lower delay no matter for instances or for flows than the previous heuristic algorithms.

Autobiography

My name is Philip. I had a dream of studying Computer Science at university during my adolescence. Both my parents supported my decision, so I could learn without any worries. I hope my way could be an example for my younger brother who is also majoring in Computer Science.

I didn't know how to manage my time effectively when I was a freshman; however, I participated in many activities in the Department of Computer Science and the clubs at school. At the end of the semester, I thought I couldn't take everything well. Dr. Lai, the principal in NCKU, once said, "Students should not only play but grow at university." I rethought what I would like to get in the four years after these words. After adjusting my timetable and taking exams again and again, I regained my lost confidence and took the first place during the second semester. In the next year, I played roles of the Minister of Activities in Recreation Leader Training Association, the same job in the Computer Science Week and the class monitor. At that time I could allocate my time efficiently and finally won the presidential award in my sophomore year; besides, I was selected as one of national outstanding collegians before graduation.

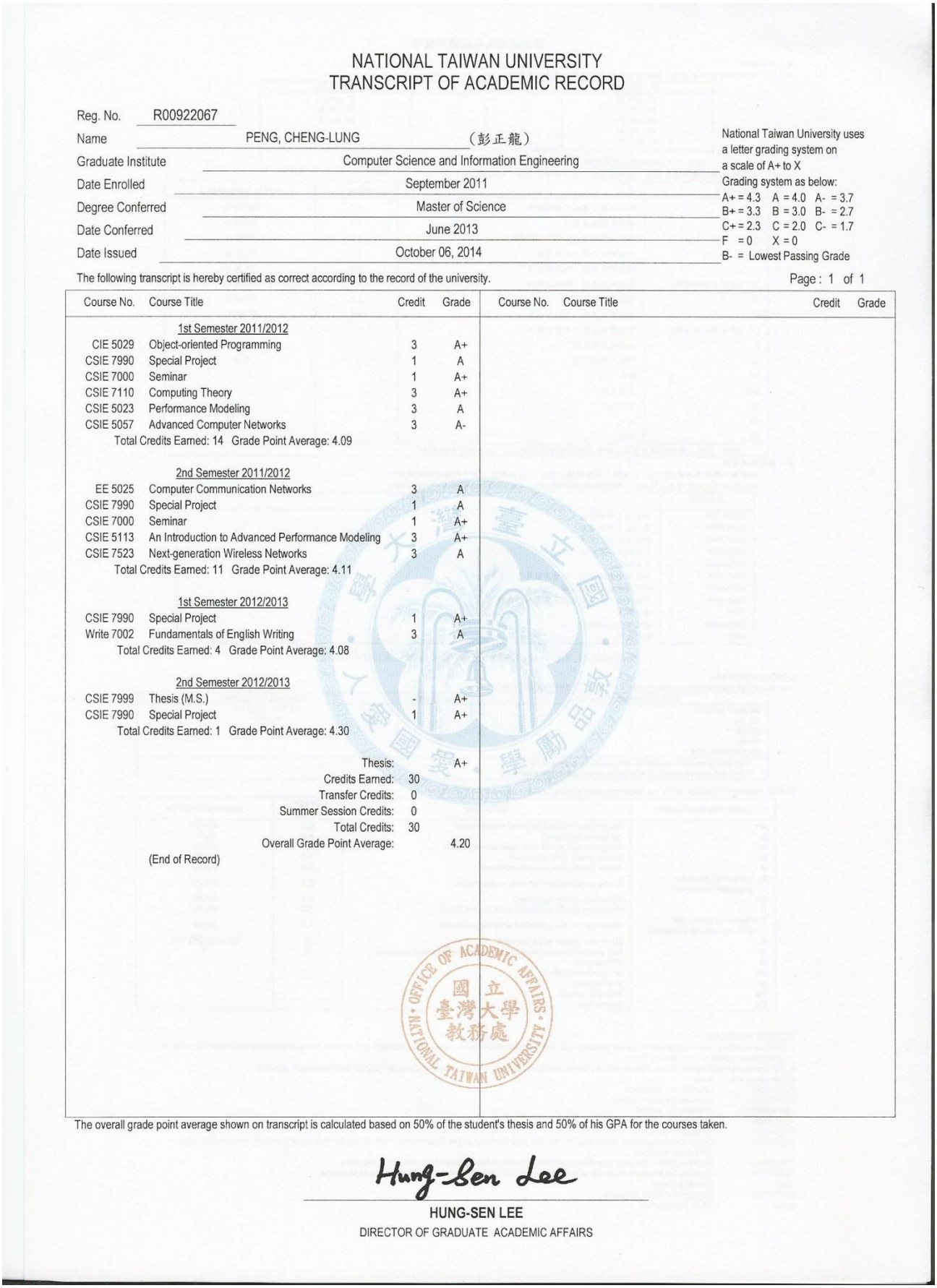
I practiced ACM problems during the rest of my college years. This could enhance logical thinking, teamwork and programming skills. Furthermore, thanks to my professor Dr. Chou, I finished my master thesis in the Communications and Multimedia Laboratory and the topic is "Delay-sensitive Data Aggregation for Server-centric Datacenters." The honors and the thesis summary are listed above.

VIVOTEK is the first company I joined. I am responsible for solving sample requests and developing Original Design Manufacturer (ODM) products. In this position, I can work with many people from different departments, thus improving communication skills; moreover, when I need to modify modules I am not familiar with in limited time, I have to ask my good colleagues in the same division for help, and I can also give them ideas on other tasks. The program languages I use in this job are C, Shell, HTML and JavaScript on Linux platform.

I have been a Dcard user for four years. It would be my pleasure if I could have a chance to contribute to Dcard. I hope that you will give me an interview at some time convenient to you.

Transcripts (English Version with GPA)

Image of transcript in Master:



NATIONAL TAIWAN UNIVERSITY
TRANSCRIPT OF ACADEMIC RECORD

Reg. No. R00922067
Name PENG, CHENG-LUNG （彭正龍）
Graduate Institute Computer Science and Information Engineering
Date Enrolled September 2011
Degree Conferred Master of Science
Date Conferred June 2013
Date Issued October 06, 2014

National Taiwan University uses a letter grading system on a scale of A+ to X
Grading system as below:
A+ = 4.3 A = 4.0 A- = 3.7
B+ = 3.3 B = 3.0 B- = 2.7
C+ = 2.3 C = 2.0 C- = 1.7
F = 0 X = 0
B- = Lowest Passing Grade

The following transcript is hereby certified as correct according to the record of the university. Page : 1 of 1

Course No.	Course Title	Credit	Grade
	1st Semester 2011/2012		
CIE 5029	Object-oriented Programming	3	A+
CSIE 7990	Special Project	1	A
CSIE 7000	Seminar	1	A+
CSIE 7110	Computing Theory	3	A+
CSIE 5023	Performance Modeling	3	A
CSIE 5057	Advanced Computer Networks	3	A-
	Total Credits Earned: 14 Grade Point Average: 4.09		
	2nd Semester 2011/2012		
EE 5025	Computer Communication Networks	3	A
CSIE 7990	Special Project	1	A
CSIE 7000	Seminar	1	A+
CSIE 5113	An Introduction to Advanced Performance Modeling	3	A+
CSIE 7523	Next-generation Wireless Networks	3	A
	Total Credits Earned: 11 Grade Point Average: 4.11		
	1st Semester 2012/2013		
CSIE 7990	Special Project	1	A+
Write 7002	Fundamentals of English Writing	3	A
	Total Credits Earned: 4 Grade Point Average: 4.08		
	2nd Semester 2012/2013		
CSIE 7999	Thesis (M.S.)	-	A+
CSIE 7990	Special Project	1	A+
	Total Credits Earned: 1 Grade Point Average: 4.30		
	Thesis:		A+
	Credits Earned:	30	
	Transfer Credits:	0	
	Summer Session Credits:	0	
	Total Credits:	30	
	Overall Grade Point Average:		4.20
	(End of Record)		

The overall grade point average shown on transcript is calculated based on 50% of the student's thesis and 50% of his GPA for the courses taken.

Hung-Sen Lee

HUNG-SEN LEE
DIRECTOR OF GRADUATE ACADEMIC AFFAIRS

Image of transcript in Bachelor:

NATIONAL CHENG KUNG UNIVERSITY
TAINAN, TAIWAN, REPUBLIC OF CHINA
RECORD OF COURSES COMPLETED

Name: PENG, CHENG-LUNG Date Enrolled: September 2007
Date of Birth: September 22, 1989 Date Issued: March 19, 2012
Degree Conferred:(1) B.S. June 2011 College: Electrical Engineering and Computer Science
Department: Computer Science and Information Engineering
(2) ***** College: **********
Department: **********
Minor in: **********

Grading System

Grade	Significance	Grade Points
A	Excellent(80-100)	4
B	Good(70-79)	3
C	Fair(60-69)	2
D	Fail(50-59)	1
E	Fail(Below 50)	0
	Passing grade	60

The following record is certified as correct according to the records of the Registration Office.

Courses	1st semester Crs.	1st semester Grade	2nd semester Crs.	2nd semester Grade
Academic Year (2007-2008)				
English	2	89	2	85
Introduction to Computers	3	73		
Program Design	3	90	3	87
Chinese	3	75	3	82
Calculus	3	85	3	94
General Physics Laboratory	1	76	1	89
General Physics	3	71	3	84
History	2	80		
Constitutional Democracy and National Development			2	84
Service Study	0	84	0	95
Linear Algebra			3	94
Introduction to Circuits Theory and Digital Electronics			3	96
Military-class of Ancient Military Strategy			0	88
Military-taiwan-penhu Defensive Operation	0	88		
Physical Therapy and Healthy Life	2	85		
Exercise & Health			2	87
Earned Credits	22		25	
Average		80.3		88.5
Physical Education	0	91	0	87
Moral Conduct	0	88	0	88
Academic Year (2008-2009)				
Service Study (3)	0	84		
Engineering Mathematics	3	100		
Computer Organization			3	88
Data Structure	3	91		
Discrete Mathematics			3	97
Programming Language			3	98
Introduction to Digital System	3	90		
Experiment on Digital System	1	93		
Probability and Statistics			3	94
Japanese	2	95	2	90
Military Training—strategy and Propaganda	0	87		
Web Applications and Programming	3	90		
Cross-platform Programming			3	89
Attitude Brilliance and Career of Computer Science and I-nformation Engineering			1	95
Information Security	3	75		
Business Communication Network	3	85		
English	1	TR	1	TR
Introduction to Performance Arts			2	91
Engineering Ethics	2	83		
Earned Credits	24		21	
Average		88.8		92.8
Physical Education	0	88	0	82
Moral Conduct	0	88	0	88
Academic Year (2009-2010)				
Operating Systems	3	89		
Algorithms	3	92		
Microprocessor Principles and Applications	3	91		
Experiments of Microprocessor Principles and Application-s	1	83		
Computer Project Design(1)			2	90
Theory of Computation			3	100
Compiler Construction			3	89
Japanese	2	85	2	88
Military-tnational Security	0	81		
Introduction to Virtual Reality			3	99
Computer Communication Networks	3	90		
Multimedia Systems and Applications			3	88
Marketing Management	3	89		
Introduction to Music(C)			2	90
Society and Movie			2	83
Accessible Life and Environment	2	92		
Earned Credits	20		20	
Average		89.5		91.5
Moral Conduct	0	88	0	85
Academic Year (2010-2011)				
Computer Project Design(2)	2	80		
Practical English	3	93		
International Finance			3	78
Social Psychology			3	82
Psychology of Memory	3	96		
An Introduction to Database Systems			3	85
Interpersonal Relationships and Communication	3	89		
The Forum for Leadership	2	82		
Earned Credits	13		9	
Average		89.1		81.7
Moral Conduct	0	88	0	88
Sum of Credits			154	
Grand Average				88.08
GPA = 3.89				

Remark: Please quote the reference number on further inquiry.
W: Withdraw NO: Waiting for Grade TR: Credit Equivalent

Registrar Miao-Hua Lee

NATIONAL CHENG KUNG UNIVERSITY REGISTRAR'S OFFICE OFFICE OF ACADEMIC AFFAIRS

Reference Number : P74962024