

# ANNIE DUNGTRI LE

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## SUMMARY

I am currently a full-time graduate student in Electrical Engineering. I will graduate with my MSEE, focusing on Communications and Signal Processing, in August 2007. I am looking for an internship and/or a full time position at starting September 2007.

## EDUCATION

The University of Texas at Dallas (UTD), Richardson, TX M.S. in Electrical Engineering; Erik Jonsson research fellow Communications and Signal Processing, Thesis track	GPA 4.00/4.00 August 2007
The University of Texas at Dallas, Richardson, TX B.S. in Electrical Engineering	GPA 3.73/4.00 December 2005
Richland College, Dallas, TX Transfer credits	GPA 3.97/4.00

## TOPIC OF MASTER THESIS

Application of Error-Correcting Codes, including Turbo Codes, LDPC Codes, and Raptor Codes, to Robust Packet Header Compression schemes on uni-directional and bi-directional communication links.

## RELATED SKILLS

### Relevant Graduate Classes

Digital Communications	Digital Signal Processing	Information Theory
Wireless Communications	Telecommunication Network	Detection and Estimation

### Projects

Applications of irregular LDPC codes and Turbo codes in Packet Header Compression  
Part of Master Thesis - Matlab and C++

Using Markov Chain Monte Carlo Method in Blind Equalization  
Graduate class project - Research paper reading and Matlab

Applying Schalkwijk – Kailath Coding Scheme in network communication  
Graduate class project - Research paper reading and Matlab

A software-defined DSP filter package with GUIs  
Graduate class project - Matlab

Simulation of Rayleigh fading channel  
Graduate class project - Matlab

Design a “cat” robot  
Undergraduate senior design project - The Handy Board and C++

Design a voice-band software-defined radio  
Undergraduate senior design project  
The TMS320C6713 DSK, a DSP card made by Texas Instruments Inc., C, and Labview

## **Computer Skills**

Matlab	Unix/Linux
Labview	Microsoft Windows, Microsoft Office Suite
Object-Oriented C/C++	Mac OS X

## **Communication**

Fluent in both English and Vietnamese.  
Excellent interpersonal and leadership skills; proactive and outgoing  
Strong verbal and written communication skills.

## **WORK EXPERIENCE**

Research Assistant, Multimedia Communication Lab, UTD  
1/2006 – Present

Mentor, Erik Jonsson School of Engineering and Computer Science, UTD  
9/2005 – 12/2005

Receptionist, Geosciences Department, UTD  
05/2004 – 12/2005

Admission Clerk, Richland College, Dallas, Texas  
11/2001 – 8/2003

## **ACTIVITIES AND LEADERSHIP**

Executive Committee Member, IEEE @ UTD, student branch  
Summer 2005 – Present

Member, Society of Women Engineers  
Fall 2004 – Summer 2005

Officer, Phi Theta Kappa Honor Society of two-year colleges  
Feb 2002 – May 2003

## **AWARDS AND HONORS**

Jonsson School Research Fellowship Award  
Erik Jonsson School of Engineering and Computer Science, UTD - Spring 2006 to Present

Academic scholarship  
Erik Jonsson School of Engineering and Computer Science, UTD - Fall 2005

Dean's List Recipient  
Erik Jonsson School of Engineering and Computer Science, UTD - Spring 2004

Dean's List Recipient  
Richland College, Dallas, TX - Fall 2001 to Spring 2003

## **RELOCATION**

I am willing to relocate starting September 2007.