

Tanawat Khunlertkit

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Mailing Address

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Education

University of Wisconsin, Madison, Madison, WI

BS Computer Engineering (2009)

BS Computer Science (2009)

GPA: 2.84/4.00

University of Wisconsin, Milwaukee, Milwaukee, WI

MS Computer Science (2012)

GPA: 3.81/4.00

University of Wisconsin, Milwaukee, Milwaukee, WI

PhD Computer Science (Current)

Working Experience

Grader position

University of Wisconsin-Milwaukee, (Spring 11 - Fall 11)

Course: CS 150 - Survey of Computer Science

Supervisor: Professor Robert Sorenson

University of Wisconsin-Milwaukee, (Fall 12)

Course: CS 535 - Algorithm Design and Analysis

Supervisor: Professor Adrian Dumitrescu

Course: CS 469 - Computer Security

Supervisor: Professor Christine Cheng

Teaching Assistant

University of Wisconsin-Milwaukee, (Fall 12 - present)

Course: CS 201 - Introductory to Computer Programming

Supervisor: Professor Robert Sorenson

University of Wisconsin-Milwaukee, (Spring 13)

Course: CS 113 - Introduction to Web Document Production

Supervisor: Professor Jason Rock

Skills

Microsoft: Microsoft Word, Microsoft Excel, Microsoft Powerpoint

Mathematical Model: MATLAB

Design: Quartus, Verilog

High Level Languages: C, C++, Java, PHP, Postgresql

Assembly Languages: MIPS, ARM7TDMI

Operating System: Windows 7, Mac OS X, Unix, Red Hat Linux

Language: Thai and English(Fluent)

**Academic
Experience
(Graduate
Study)**

University of Wisconsin Milwaukee, Milwaukee, WI (Fall 2012)
Course: CS 995 Master's Capstone Project
Instructor: Professor Hossein Hosseini
Project: Time Analysis of Security Protocols on Vehicle to
Vehicle Communication Networks. Implementation of both
elliptic curve security protocol and AES security protocol.

University of Wisconsin Milwaukee, Milwaukee, WI (Fall 2012)
Course:: EE 890 Android Programming
Instructor: Professor Yi Hu
Project: Programming android device to work with micro controller
via bluetooth. The commands include reading the
potentiometer; reading the temperature.

University of Wisconsin Milwaukee, Milwaukee, WI (Spring 2011)
Course: CS 530 Computer Network Laboratory
Instructor: Professor Rafat Elsharef
Project: Asterisk phone server on Linux Machine with SIP Client.

University of Wisconsin Milwaukee, Milwaukee, WI (Fall 2010)
Course: CS 536 Software Engineering
Instructor: Professor Tian Zhao
Project: java Music Player with Simple Features.

**Academic
Experience
(Undergraduate
Study)**

University of Wisconsin Madison, Madison, WI (Fall, 2007)
Course: ECE 552 Introduction to Computer Architecture
Instructor: Prof. Parameswaran (Parmesh) Ramanathan
Project: Design a 16-bit Microprocessor with 16 instructions set.

University of Wisconsin Madison, Madison, WI (Spring, 2008)
Course: CS 537 Introduction to Operating Systems
Instructor: Prof. Barton Miller
Project: Simulation for CPU Scheduling Algorithms.

University of Wisconsin Madison, Madison, WI (Fall, 2008)
Course: CS 536 Intro to Programming Languages and Compilers
Instructor: Prof. Thomas W. Reps
Project: Conversion from high level language(C) to Assembly
language(MIPS Assembly Language)

University of Wisconsin Madison, Madison, WI (Fall, 2008)
Course: ECE 551 Digital Design and Synthesis
Instructor: Eric Hoffman
Project: Calibrated Temperature IC Design using Verilog and
Synopsys

University of Wisconsin Madison, Madison, WI (Spring, 2009)
Course: CS 564 Intro to database Management System
Instructor: Prof. Jignesh Patel
Project: Design Back-end for a Simple Database System

University of Wisconsin Madison, Madison, WI (Spring, 2009)
Course: ECE 453 Embedded System Design
Instructor: Prof. Michael G. Morrow
Project: Stepper Motor Controller Design Using Verilog
Implemented on ARM-FPGA board.