Tanawat Khunlertkit

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Aim

To teach students with their subject of interests, giving them some experience on how things work in real life. Provide extra aid for those having a difficult time understanding the materials. To allow them to have a good time while gaining new knowledges.

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)
GPA: 3.834/4.00

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 2012)
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 2013 - Present)
Course: CS 251 - Intermediate Computer Programming
Supervisor: Professor Ethan Munson

University of Wisconsin-Milwaukee, (Fall 2012 - Spring 2013)
Course: CS 201 - Introductory to Computer Programming
Supervisor: Professor Robert Sorenson

University of Wisconsin-Milwaukee, (Spring 2013)
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.