

Pin-Ho Wang

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SUMMARY

Computer System Engineering student with experience in modeling problems and programming; have developed simulated models for solving physic problems; knowledge of MVC design pattern; Interested in developing customer orientated products.

EDUCATION

Northeastern University, Boston, MA

Master of Science in Computer System Engineering Expected May 2020

Relevant Courses: Concepts of Object-Oriented Design, Program Structure & Algorithms

National Taiwan University, Taipei, Taiwan

Master of Science in Photonics-Optoelectronics Feb 2017

Relevant Courses: Numerical Analysis and Programming, Advanced Digital Signal Processing, Introduction to Digital Speech Processing, Data Structure and Programming, Algorithms, Operating Systems

Yuan Ze University, Taoyuan, Taiwan

Bachelor of Science in Electro-Optical Engineering June 2014

Relevant Courses: Intro. to Computer Science, Programming Language

TECHNICAL SKILLS

Programming Language: Java, C++, Python, Matlab

Operating Systems: Linux, Unix, Windows

PROJECTS

National Taiwan University

Sep. 2015 - Feb. 2017

Physics Models Testing and Development (Master Research)

- Construct a model to simulate a advanced photonics structures
- Using C++ and MATLAB for designing a sub-functional API for main task
- Published a paper in IEEE International Conference on Computational Electromagnetics

Nachos Operating System

- Designed multiple CPU scheduling and memory management
- Implement multiple tasks by C++
- Presentation the results in the class and successfully accomplished the multiple CPU scheduling methods

Speech Processing Project

- Led the group to design a Hidden Markov Model to classify the Chinese text and speech/ audio signal
- Using Python to parse the text and C++ to build the speech models
- Demonstration the result in the final class and got top ten groups in the class

Northeastern University

Sep. 2018 - Expected May 2020

Day Care System Project

- Contributed the viewing part of all members in Day Case System based on MVC architectural pattern including UI
- Developed the modules using JAVA and designed UI using JavaFX