Yi Mang "Terry" Yang

Computer Science and Engineering

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Highly motivated, hard-working and cooperative with great interpersonal skills. Ability to quickly learn and efficiently apply new concepts. Strong capabilities in critical thinking and analytical thinking.

SKILLS

Computer Science and Technology:

- Experienced with C/C++, Java, XML, HTML5, CSS3 and JavaScript
- Competent with UNIX-like OS – utilities, I/O redirection, shells, scripts, etc.
- Understanding of data structures, algorithms, OOP and recursion
- Proficient with debugging, software testing and version control

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PROJECTS

Central Processing Unit Simulator: C/C++

- Simulates the functions of CPU units such as registers and decoder
- Proceeds through the fetch-decode-execute cycle for assembly code

Employee Database : Java, XML

- GUI allows user to store, edit, display and search for information about employees in a database; developed using the Swing GUI widget toolkit
- Implemented database using a hashtable and file input/output

StudyQuiz : Java, XML

- Android application that allows users to enter questions and quiz themselves; developed using Android Studio
- Utilizes widgets, activities, intents, anonymous inner classes, etc.

Personal Website : HTML5, CSS3, JavaScript

- Developed using the Bootstrap framework and jQuery library

EDUCATION

University of California, Davis: Expected 2015-2019

- Candidate for B.S. in Computer Science and Engineering; Economics minor
- Overall Academic GPA: 3.917; Dean's Honor List

The Woodlands School: High School 2011-2015

- Highest Honors, Ontario Scholar, Silver Crest Award – highest award
- Enhanced Learning Program – highly selective program for gifted students
- SAT: 2240; SAT Math Level 2 and SAT Physics: 800; AP Calculus BC: 5

LEADERSHIP

The Woodlands Chess Club Co-founder: 2014-2015

- Managed club affairs and led team in High School Chess Championship
- Coached using my 10+ years of experience playing chess competitively

VEX Robotics Team Engineer: 2014-2015

- Coordinated the design and building of the robot for competition
- Doubled the efficiency of the robot's cube-stacking mechanism