

# Yi Mang “Terry” Yang

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## Skills

- Experience with C, C++, Java, XML, HTML5, CSS3, JavaScript and others
- Competent with UNIX-like operating systems – utilities, I/O redirection, shells, scripts, etc.
- Understanding of data structures like stacks, queues, hashtables, binary trees, etc.
- Experience with software applications like Android Studio, Eclipse, Code::Blocks, etc.
- Highly motivated, hard-working and cooperative with great interpersonal skills
- Ability to learn and apply new concepts quickly and efficiently; strong adaptability

## Projects

### Central Processing Unit Simulator (C, C++)

- Simulate the parts and functions of CPU units such as registers and decoder
- CPU simulator runs through the fetch-decode-execute cycle for assembly code

### Employee Database (Java, XML)

- Stores, displays and searches for information about employees with a GUI
- Uses classes, method overloading, method overriding, inheritance, file I/O, hashtables, etc.

### StudyQuiz (Java, XML)

- Android application that quizzes the user on true or false questions
- Utilizes widgets, activities, fragments, anonymous inner classes, etc.

### Personal Website (HTML5, CSS3, JavaScript)

- Developed using the jQuery library and the Bootstrap framework

## Education

### University of California, Davis

Expected 2015-2019

- Candidate for B.S. in Computer Science and Engineering; Intended minor in Economics
- Overall Academic GPA: 3.90; Dean’s Honor List
- Expected courses by summer 2016: Programming and Problem Solving; Software and Object-Oriented Programming; Discrete Math for CS; Calculus; Economics; Statistics

### The Woodlands School in Ontario, Canada

2011-2015

- Highest honors, Ontario Scholar, Silver Crest Award – highest award for attaining three specialized awards: Academic Award, Music Award and Citizenship Award
- Ontario Enhanced Learning Program providing in-depth and challenging coursework – highly selective program for students identified as Gifted
- SAT: 2240; SAT Math Level 2 and SAT Physics: 800; AP Calculus BC: 5 (only AP taken)

## Activities and Interests

### Chess Player

- The Woodlands Chess Club Co-founder
- 3<sup>rd</sup> in Canadian Youth Chess Championship, 3<sup>rd</sup> in Manhattan Open and other showings