Yi Mang "Terry" Yang

Computer Science and Engineering

(530) 761-3923 | yimyang@ucdavis.edu | terryyang.me | github.com/yimang

---

EDUCATION

University of California, Davis: Expected 2015 - 2019

- Candidate for B.S. in Computer Science and Engineering
- Overall Academic GPA: 3.95; Dean's Honor List
- 95th percentile in computer science, math and physics classes

SAT: 2240; SAT Math Level 2 and SAT Physics: 800; AP Calculus BC: 5

SKILLS

Computer Science and Technology:

- Experienced with C/C++, C#, Java, XML, HTML, CSS and JavaScript
- Competent with UNIX features such as utilities, shell scripts and pipes
- Proficient with data structures, algorithms, OOP and recursion
- Familiar with debugging, software testing and version control
- Knowledgeable in computer architecture and low-level programming
- Practiced with software tools such as Visual Studio and Android Studio

---

EXPERIENCE

Independent Algorithmic Trader: June 2016 - Current

- Developed robust algorithmic trading strategies for futures contracts
  - Applied concepts in statistics and probability to analyze financial data in building a trading strategy
  - Used evolutionary algorithms to find optimal strategy parameters
  - Conducted Monte Carlo simulations to manage risk scenarios
- Created automated trading system application with C# and .Net
  - Utilized Interactive Brokers API to program necessary functions like retrieving live feed, placing orders and monitoring portfolio
  - Deployed to run in the cloud with Amazon Web Service

PROJECTS

CPU Simulator: C/C++

- Simulates the organization of low-level computer architecture
- Executes assembly code through the fetch-decode-execute cycle

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

Personal Website: HTML5, CSS3, JavaScript

- Developed using the Bootstrap framework and jQuery library