May 7, 2019

Teaching Statement

Having worked in high-tech industries for nearly two decades, I realize and believe that teaching with my technology experience is a very rewarding career to advance my knowledge and share them with my prospective students. I love teaching and interacting with students. I love to apply the latest technologies to help students master at logic reasoning, mathematics and computer science. Besides, I continue to advance my knowledge and teaching skills by enrolling in various online courses. One of my dreams is to bring the best quality education to people in the remote areas and countries with the help of the latest technologies.

Teaching Philosophy

Teaching is an opportunity to share the excitement of knowledge with curious minds of students. A teacher should never stop refining and the teaching methods to best fit the new audience. The keys to effective teaching are providing students with simple real-world examples, motivating them to discuss what they have learned, and providing them with opportunities to practice their knowledge.

In addition to providing the students with informative and insightful lectures, the instructor should foster an environment in the classroom that promotes question and discussion opportunities. I believe that a course developed and taught is successful only if most of the materials are absorbed by the majority of students during the class sessions and reinforced by homework, study groups, and review sessions.

I believe that making a classroom interactive by asking questions, encouraging discussion, using visual aids and real-world analogies is important not only in enhancing learning but also in maintaining enthusiasm.

In addition, I love to use technology as a teaching aid both during and after the class. Most of the Course Management Systems provide online forums that can provide a platform for students to ask questions, to solve problems, and to extend learning outside the classroom; if properly used and lead by the instructors.

Teaching Experience

I have accumulated much experience in teaching students with various backgrounds. My wife and I home schooled our three children from grade schools to colleges. I have been tutoring various students from top-ranking universities to local community colleges. Currently I am teaching at several colleges, with a summary of courses I taught listed below.

I hope to advance my teaching career to a higher level at your department. It is a great opportunity to teach and review fundamental techniques in mathematics and computer science. The breadth of my industry and teaching experience with my education background in computer science will help me develop and teach a comprehensive and well-illustrated course at your department.

Summary of the courses taught

Chabot College, Hayward, CA 94545, adjunct instructor, 2017 - current

- Introduction to Computer Programming Concepts in Python CSCI7, Fall 2017, 2018
- Introduction to Unix, CSCI 41, Spring 2018
- Computer Literacy, CSCI 08, Fall 2018

San Jose City College, San Jose, CA 95128, adjunct instructor, 2016 - current

- C/C++ Programming Language, CIS054, Fall 2016-2018
- Python Programming Language, CIS024C, Spring 2017 -18
- PHP Programming, CIS024B, Fall 2018

William Jessup University , Rockylin, CA 95765 Part-time lecturer, 2019

- Data Structures and Algorithms CS561, Spring 2019

San Jose State University , San Jose, CA 95192, Part-time lecturer, 2017-

- Design and Analysis of Algorithms CS255, Fall 2017, 2019

California State University East Bay, Hayward CA 94545, Part-time lecturer, 2017 – current

- Computer Organization and Assembly language Programming, CS2430, Summer 2018
- Computer Architecture, CS3430, Summer 2018
- Introduction to Computer Science II CS2360, Spring 2017
- Operating Systems, CS4650, Spring 2017
- Automata and Computing Theory, CS6170, Spring 2017

Cogswell Polytechnical College, San Jose, CA 95134, adjunct instructor, 2017-current

- Advanced C++ Programming, CS445, Fall 2017, 2018
- Data Structures and Algorithms, CS295, Spring 2018
- Digital Systems, CS190, Fall 2018
- Introduction to Computer Architecture, SWE351, Fall 2017

Silicon Valley University, San Jose, CA 95132, adjunct professor, 2016-2017

- Design and Analysis of Algorithms, CS502, Spring 2016-2017
- Operating System I, CS400, Spring 2016-2017
- Operating System II, CS500, Spring 2016-201