Teaching Statement

Learning is lifelong journey. I have been consistently educating myself, especially in the field of computer science which has always been evolving at fast pace. I am always passionate about how I can learn better and help other learn better. I always love teaching: at home teaching my kids various math, chess, soccer etc, also helping my wife learning computer science as she is transition to bioinformatics from a pure biology background. At work, I share my strength in computer science and engineering by presenting various training to my coworkers on Hadoop, spark, machine learning tool kit, python data analysis.

Teaching Philosophy: I learn best when my teacher instilled a passion for the subject. As most learning will happen outside the classroom, I believe my primary goal as a teacher is to motivate my students for self-study. -------------I will do this through thoughtful preparation of course content and its engaging delivery, as well as by striving to connect abstract concepts to tangible applications and demonstrations. I believe it is paramount to maintain a positive yet challenging classroom environment to foster student confidence and to encourage active participation. I look forward to developing an effective teaching style following these guidelines and to honing the craft over time.

passion in teaching and influence youth people. Knowledgeable in various subject in computer science. More than 10 years of industry experience. Value team work and would like to lead discussion in a small group for learning, design project that is to be done by a small team of students to help them gain team work experience. Would also help college students to prepare for careers after graduation.

At University of Georgia, Teaching experience as follows:

1. Teaching assistant for Introduction to computing and programming, 2000-2001

Work with instructor to design lab projects. Helping students doing lab projects.

Teaching assistant, grade homework, office hours (answer student questions regarding to the course subject, tutoring), guide student labs.

1. Teaching assistant for Algorithms

Homework grading, Office hour tutoring

1. Teaching assistant for software engineering
2. Teaching assistant for Database Management

How to design a technical training

At AT&T Labs, Presentation and offered training at team or group meetings.

1. Design presentations that offers training for the team on Hadoop distributed storage and map reduce, presented at team meeting. Introduction, technology development, major key points, get started with application to network data engineering, live demos, Q&A.
2. Design presentations that offers training for the team on Apache Spark application, presented at team meeting series. Introduction, development, key points, get started, live demos, Q&A.
3. Design presentation that offers training data science with anaconda python, live demo of jupyter notebook, data manipulation with pandas, data visualization of matplotlib and seaborn, machine learning with sci-kit-learn
4. Set up H2O.ai cluster, Design presentation that offers training using H2O.ai cluster for automated machine learning and gui-based machine learning modelling with h2o flow.

Project presentation

Dispatch prediction

a statement of teaching philosophy that discusses your philosophy regarding undergraduate and post-baccalaureate education, your philosophy towards scholarship at a masters comprehensive institution, and discussion about your past or proposed contributions to advance diversity, inclusivity, and/or equity in education

What does a TA do?

TAs may teach classes, work with students in laboratories, grade papers and projects or work directly for a professor.

As a TA, you are the key link between professor and students. This gives you the opportunity to observe and influence higher-level decisions about course design and content, as well as the opportunity to maintain daily, close interactions with students.

in most cases, you will have to take some initiative to make sure that your TA experience provides both the mentorship you hope for and a set of responsibilities you can handle. Clear conversations with the professor you are TAing for can set the stage for both.

Schedule regular weekly meetings with the professor and other TAs to maintain open communication and to iron out course details.

Invite the professor to watch you teach and give you feedback on your teaching performance.

<https://teachingcommons.stanford.edu/grad-support/grad-teaching-development/teaching-assistants-role>

webct vs canvas LMS

<http://itg.emerson.edu/word/canvas/how-canvas-is-different-from-webct/>

write about teaching assistant experience

work with professors, read standford TA guide one more time. Examples where I do office hour and lab with students, the approaches I used and the good results that I got.

At ATT, design training courses for new and junior employees. List the training courses that I have created, and focus on one courses design and execution that showed my approaches and good results.

Bottom line, show my teaching philosophies with specific stories and good results.