

My Mathematical Autobiography

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Mathematical background:

Mathematics has been in my life for a long time now, it is so interesting that, this is the eighteenth year I am studying mathematics without any gap. Mathematics always fascinated me right from my middle school days. I loved doing school mathematics a lot, solving those problems which involve just numbers without calculators, helping my fellow classmates, trying to finish all the problems in the textbook before everyone, were few reasons. My father always dreamt of making me a good math problem solver, his encouragement helped me solve tougher problems which my counter parts had difficulty solving.

Learning calculus was tough initially, yet that used to be my favorite class during college days. As the time passed, I got well acquainted with calculus as I realized how much influence it has on various other fields of mathematics and science. During my college days I participated in a math competition *Mathematics State Olympiad* and I was one of the qualified participants for the national finals. Everybody, right from my parents, relatives and my teachers were proud of me. This was the best time in my mathematical career. My teachers in under graduation always tried to explain in class the significance of presentation in mathematics. This helped a lot in trying to present math problems and the algorithms or solutions for the problems in class.

Current research interests:

Currently I am, learning about different root-finding algorithms for solving nonlinear equations, approximation algorithms, numerical analysis for statisticians and solving puzzles using mathematical concepts (for example Rubiks square), optimization algorithms.

Future goals:

My future goal is to develop some software application for datawarehousing. But meanwhile after finishing masters, I would like to work for some time in the industry and gain experience. I wish to do my MBA once get some industry experience from a good business school. This should help me to acquire managerial skills required to establish my own firm. **Reason for participating in this project:**

The primary reason for participating in this project is that I never got a chance to be a part of math research team. I know this will be quiet challenging, but I will still give my best shot and work hard. I hope by the end,

I would gain enough research experience. Apart from this, this particular research project "*Numerical Solution of the Multiparticle Schrodinger Equation*" looks very interesting to me and I hope to learn a lot working with this team.

My preferred learning styles :

Whenever I learn something new, I start knowing things right from the scratch. I always love to work in teams, I think working together will yield better results always, since there is always someone to comment my work and give different ideas on how to approach a given problem. I also think giving out handouts on how to approach a difficult problem will also help me a lot.