

# Mathematical Autobiography

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## 1 Background

I received a Bachelor of Science degree from Point Loma Nazarene University, and a Masters degree from Ohio University, both in Mathematics; while acquiring these, I concentrated primarily on Analysis and other subjects which related to my hobby, computer programming. Additionally, I have taken the Analysis and Statistics comprehensive exams at O.U., passing the Analysis exam; as of September 11, 2014, the outcome of the Statistics exam is pending.

## 2 Interests and Goals

As of September 11, 2014, my interests lie in applied mathematics, especially numerical methods, and computer programming. My goals, in order of decreasing proximity, are finding a thesis topic, earning a PhD in Mathematics, and earning a living by applying my skills to either teaching or computer programming.

## 3 Reasons for Participation

I am participating in the project in part because it aligns well with my interests, and in part because it is an opportunity to work with Dr. Mohlenkamp.

## 4 Additional Interesting or Relevant Information

The programming language with which I am most comfortable is C++, though it rarely takes long to adjust to the syntax of a different language.

I have previously applied the ALS algorithm to the problem of lossy video compression, though this project is the first time I have studied the properties of the algorithm.

## **5 VARK Results**

According to <http://www.vark-learn.com/english/page.asp?p=questionnaire>, I have a multimodal learning preference (VARK scores 4, 5, 9, 7).