

This presentation is divided into three sections. I will introduce the topic of, "Why I chose Math as my major?" as the subject of my presentation. In this introduction I will briefly explain how my personal experience is related to the topic of section 1. The objective of this presentation will be to explain how I came to chose math based on the topics discussed in sections two and three, ("The reasons I love math", "How can math be used for good"). In conclusion, I will briefly discuss some of my more immediate individual goals as a potential math major. Below is an outline of my primary talking points.

## **1 Why I choose Math as my major:**

### **1.1 Reason:I want to help people**

- Life is just better when you do
- I have had many good teachers/mentors

### **1.2 Reason:I want to learn**

- Learning makes me feel alive
- Learning is the first step to teaching

## **2 What do I love about mathematics:**

### **2.1 I like challenging problems: Math can be a puzzle/game**

- Math provides a means to solve challenging problems.
- Math provides a means to imagine new problems.

### **2.2 I like to have choices:Math branches into many fields**

- Math can be used to interpret other fields of knowledge
- Math can be used to develop new fields of knowledge

### **2.3 I don't like making decisions: Math can model systems**

- Math can be used to structure or organize data="knowledge/experience"
- Math can be used to analyze complex systems

## **3 How mathematics be used for good?**

### **3.1 Example: Math and Education**

- Math is a tool to develop critical thinking
- Math is a way to evaluate curriculum/teaching methods

### **3.2 Example: Math in Government**

- Math is a way to provide feedback for government services
- Math is a way to provide strategic analysis for governments

### **3.3 Example: Math in Technology/Science**

- Math provides the tools to tech innovation
- Math is a platform to imagine and create