

GREG TSENG

INVENTION: FIBER OPTIC EVANESCENT WAVE ION SENSOR WITH INTERCHANGEABLE PROBES
 AGE: 16
 HOME: MCLEAN, VA
 SCHOOL: THOMAS JEFFERSON H.S. FOR SCIENCE AND TECHNOLOGY



GREG TSENG HAS ALWAYS LOVED NUMBERS. BY THE TIME HE WAS ELEVEN MONTHS OLD, HE COULD COUNT FROM 1 TO 11, AND HE KNEW HIS MULTIPLICATION TABLES BY THE TIME HE WAS IN KINDERGARTEN.

WHEN GREG WAS 13, HE FINISHED 9TH PLACE IN THE NATIONAL MATH COUNTS - A NATIONAL MATHEMATICS COMPETITION.



WHEN GREG WAS NOT PLAYING WITH NUMBERS, HE WAS PLAYING HIS PIANO OR CELLO...



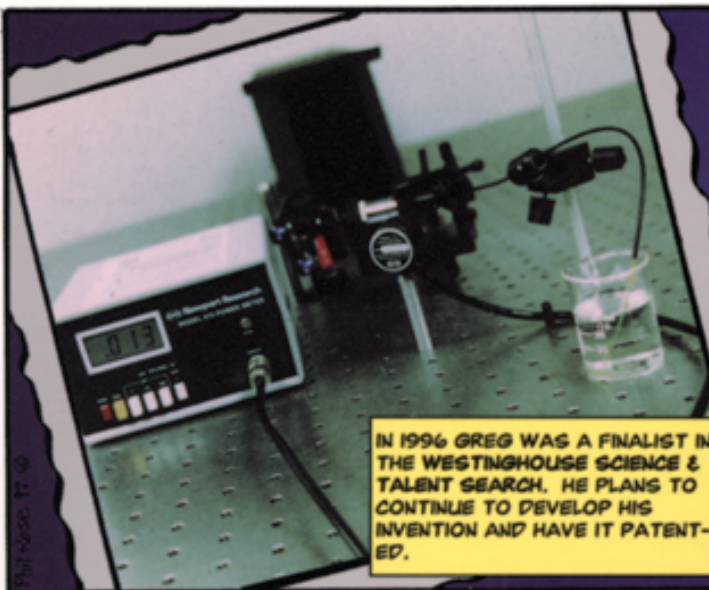
...AND WHEN HE WAS NOT COMPETING IN MATHEMATICS, HE WAS COMPETING ON THE TENNIS OR THE BASKETBALL COURT.



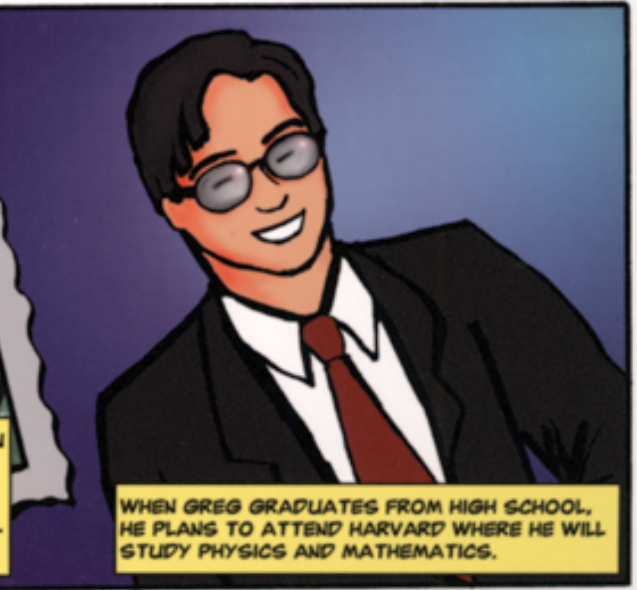
DURING A VISIT TO THE NAVAL RESEARCH LAB, A SCIENTIST SUGGESTED THAT GREG DEVELOP A DEVICE THAT COULD ACCURATELY ANALYZE CHEMICAL SOLUTIONS TO DETERMINE THEIR CONTENTS.



USING FIBER OPTIC CABLE AND LIGHT SENSORS TO CONNECT A LASER TO A COMPUTER, GREG INVENTED A DEVICE THAT AUTOMATICALLY ANALYZES THE ION CONCENTRATIONS OF CHEMICAL SOLUTIONS AND ORGANIC TISSUES.



IN 1996 GREG WAS A FINALIST IN THE WESTINGHOUSE SCIENCE & TALENT SEARCH. HE PLANS TO CONTINUE TO DEVELOP HIS INVENTION AND HAVE IT PATENTED.



WHEN GREG GRADUATES FROM HIGH SCHOOL, HE PLANS TO ATTEND HARVARD WHERE HE WILL STUDY PHYSICS AND MATHEMATICS.