

**Rolf Hendriks**  
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## RESUME

### OBJECTIVE

To obtain a high school Math substitute teaching position

### EDUCATION

**Full Sail Real World Education** - Orlando, FL  
Graduated: June 2004  
Associate of Science (A. S.) in **Game Design and Development**

**Carnegie Mellon University** - Pittsburgh, PA  
Graduated: May 2003  
Bachelor of Science (B. S.) in **Discrete Math and Logic**  
Minor in **Computer Science**

**German School Washington** - Potomac, MD  
Graduated: June 1999  
German Abitur  
High School Diploma

### TEACHING EXPERIENCE

- Math Tutor - Huntington Learning Center** **February 2005 - April 2005**
- Served as a part-time tutor at the Huntington Learning Center in Woodland Hills, CA
  - Tutored high school students in preparation for the **SAT Math** test
  - Provided high school and middle school students with personal tutoring in **Algebra, Geometry, and Arithmetic**
- Teaching Assistant - Carnegie Mellon University** **September 2001 - January 2002**
- Served as a part-time teaching assistant for two **Calculus 2** courses intended for college freshmen and sophomores
  - Conducted recitation sessions for **Integration and Differential Equations** and **Calculus of Approximation**
  - Graded weekly quizzes and monthly exams
  - Voluntarily created handouts explaining topics that students found difficult
  - Initiated provision of solutions for homework and quizzes
  - Increased class size by 20% due to students migrating from other recitation sections into mine
- Math Tutor - German School Washington** **September 1997 - May 1999**
- Successfully served as a part-time tutor for students ranging from grades 5 through 12

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## TOPICS TAUGHT

- Arithmetic
- Algebra 1
- Algebra 2
- Linear Algebra
- Geometry
- Trigonometry
- Probability and Statistics
- Pre-Calculus
- Calculus 1
- Calculus 2

## EMPLOYMENT HISTORY

**Gameplay Programmer - Sony Computer Entertainment - CA**                      **June 2007 - September 2007**

- Developed features for Uncharted: Drake's Fortune, a leading Playstation 3 title
- Created cutting edge water splash effects
- Programmed a complex collision detection routine

**Game Developer/Consultant - DAM Consultants - CA**                                      **November 2006 - April 2007**

- Developed games for iWin, Inc., a leading casual game company
- Invented a custom algorithm that cuts images into realistic looking jigsaw puzzle pieces
- Programmed artificial intelligence for Battleship: Fleet Command, a tactical board game

**Software Engineer - MICROS Systems, Inc - MD**    **June 2005 - September 2006**

- Served as a Software Engineer in the Research and Development department of an industry leading software company
- Improved a complex credit card data encryption algorithm to satisfy the latest security standards
- Managed a large test lab to simulate thousands of workstations performing millions of transactions

**Scripter - Genuine Games, Inc - CA**    **September 2004 - December 2004**

- Designed and documented character behavior for a major video game title

## ADDITIONAL SKILLS AND QUALIFICATIONS

- ETS Recognition of Excellence - **Praxis II** Mathematics Content Knowledge
- Excellent public speaking skills, member of Toastmasters International
- Lifelong learner with strong interest in Technology, Business, Psychology, and Neuroscience
- Conducted independent mathematical undergraduate research on the topic of Surreal Numbers
- Certified web developer, created [rolfhendriks.net](http://rolfhendriks.net) and [wizewerdz.com](http://wizewerdz.com)
- Bilingual (English and German), intermediate French



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