

# Gineke A. ten Holt

## Resume

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<http://www.tenholt.nl>



## Education

- 1998–2004 **MA Artificial Intelligence**, *University of Groningen*, Groningen, *with honours*.  
1997–1998 **1st year Physics**, *University of Amsterdam*, Amsterdam, *with honours*.  
First year degree; needed to gain access to Artificial Intelligence

## Experience

### Vocational

- 2005–2009 **PhD Student**, *Delft University of Technology*, Delft.  
*Research Topic*: Improving automatic sign language recognition by investigating human sign language perception and applying the insights to the automatic recognizer.  
*Areas involved*: sign language, image processing, pattern recognition, statistics  
*Projects*: ELo: electronic learning environment for young, deaf children

### Miscellaneous

- 2002 **Programmer**, *TriCAT iConsulting*, Groningen.  
General software development using asp and html
- 2000–2004 **Teacher's Assistant**, *University of Groningen*, Groningen.  
Various TA jobs, mostly teaching computer and presentation skills

## Computer skills

Programming	Python, C, C++, Java, Prolog	Web	html, asp
Mathematical	Matlab	Office	MS Office, some OpenOffice
Text Processing	Word, $\LaTeX 2_{\epsilon}$	Graphical	Inkscape, Paintshop Pro
OS	Windows, Linux, some Unix	Video	Adobe Premier Pro, Win Movie Maker

## Languages

English	<b>High</b>	<i>Extensive experience in writing, presenting and conversing in English</i>
German	<b>Sufficient</b>	<i>Conversational skills sufficient for normal conversation, good reading skills</i>
French	<b>Basic</b>	<i>Capable of basic conversation and reading</i>
Mandarin Chinese	<b>Elementary</b>	<i>Capable of exchanging and reading simple sentences (in progress)</i>

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## Interests

- Sailing Cruising on lakes and seas
- Game of Go Oriental mind sport comparable to chess (aka Wei Qi, Baduk)
- Sports Karate, running, fitness
- Puzzles All types of riddles and puzzles

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## Other Activities

- summer 2011 Four-month sailing trip through Greece
- fall 2010 Three-month journey through China
- 2005–2010 Organisation of the Delft Go Club and yearly Delft Open Tournament
- 2009 Tournament Director of the Open European Pair Go Championship (part of the European Go Congress 2009)
- 2003–2004 Dutch Language Teacher at Sultanes, Groningen
- 2001–2002 Organisation of the Friday Fun Skate Groningen
- 1998–2000 Secretary and PR committee with CoVer (Cognitive Society) in Groningen

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## Publications

Gineke A. ten Holt. The eye of the beholder: Automatic recognition of dutch sign language. Master's thesis, University of Groningen, Groningen, 2004.

Gineke A. ten Holt. *Automatic Sign Language Recognition Inspired by Human Sign Perception*. Phd. thesis, Delft University of Technology, 2010.

Gineke A. ten Holt, Jeroen Arendsen, Huib de Ridder, Andrea J. van Doorn, Marcel J.T. Reinders, and Emile A. Hendriks. Sign language perception research for improving automatic sign language recognition. In *SPIE Human Vision and Electronic Imaging XIV*, volume 7240, pages 72400C1–12. SPIE, Bellingham, Washington, 2009.

Gineke A. ten Holt and Petra Hendriks. Out of memory: Geheugen sneller vol in gebarentaal. *De Psycholoog*, 39(2):54–58, 2004.

Gineke A. ten Holt, Petra Hendriks, and Tjeerd C. Andringa. Why don't you see what i mean? prospects and limitations of current automatic sign recognition research. *Sign Language Studies*, 6(4):416–437, Summer 2006.

Gineke A. ten Holt, Andrea J. van Doorn, Huib de Ridder, Marcel J. T. Reinders, and Emile A. Hendriks. Signs in which handshape and hand orientation are either not visible or are only partially visible: What is the consequence for lexical recognition? *Sign Language Studies*, 10(1):5–35, Fall 2009.

Gineke A. ten Holt, Andrea J. van Doorn, Huib de Ridder, Marcel J.T. Reinders, and Emile A. Hendriks. Which fragments of a sign enable its recognition? *Sign Language Studies*, 9(2):211–239, 2009.

Gineke A. ten Holt, Andrea J. van Doorn, Marcel J.T. Reinders, Emile A. Hendriks, and Huib de Ridder. Human-inspired search for redundancy in automatic sign language recognition. *ACM Transactions on Applied Perception*, 8(2), January 2011.

For a full publications list (up to 2009), see <http://visionlab.tudelft.nl/users/gineke-ten-holt>