

# Gijsbert ter Horst

IT Freelancer

## personal

**sex**  
Male  
**birth-date**  
March 25<sup>th</sup> 1991

## contact

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## languages

(native) Dutch  
English  
(bad) German  
(worse) French  
(read-only) Norwegian

## programming

C  
Python  
Java  
SQL  
CSS & HTML  
Lua  
C# ASP.NET

## software

ΛΤΕΧ2ε  
Eclipse  
Git  
GIMP  
Inkscape  
Dia  
Blender  
LibreOffice  
Audacity  
Handbrake  
Arduino IDE  
Armitage  
Wireshark  
Aircrack-ng

## hardware

Custom desktop  
HP Elitebook 8530w  
Raspberry Pi 3 B  
Raspberry Pi 2 B  
2×Raspberry Pi B  
Arduinos

## operating systems

(current) Debian Testing  
(current) Raspbian  
LMDE  
Linux Mint 13  
Ubuntu 9.10-11.04

## games

OpenMW Morrowind  
Kerbal Space Program  
Discworld MUD  
Dwarf Fortress  
Minecraft  
Myst & Riven

## authors

J.R.R. Tolkien  
T.D.J. Pratchett  
C.S. Lewis  
R.C. Thompson  
W.B. Watterson

## education

2009–now	<b>Student</b> Computer Science	University of Twente, Enschede
2002-2008	<b>VWO</b> N&T+N&G, Informatics, Latin	Bonhoeffer College Bruggertstraat, Enschede

## experience

2014–2016	<b>Controllab Products B.V.</b> <i>Software developer</i> <ul style="list-style-type: none"><li>Implemented evaluation version of coupling between 20-sim and Matlab through Apache XMLRPC + Matlabcontrol.</li><li>Created GCAT Evaluation, a test suite that <i>dynamically</i> verifies the correctness of C-code generated by 20-sim. Written in bilingual Python (2.7/3.4)</li><li>Research and documented on on the possibilities of static analysis of the C-code generated by 20-sim, focused on MISRA C compliance.</li><li>Wrote script that keeps track of issue tracker statistics, calculates related ISO9001 KPI process over time.</li><li>Set up centralised user account system using Samba on Debian.</li><li>Set up groupware server for mail and calendar system</li></ul>	Enschede, Netherlands zero-hour contract
2012–now	<b>University of Twente</b> <i>Undergraduate Teaching Assistant</i> Teaching, examining, and grading students. <ul style="list-style-type: none"><li>Operating Systems in 2012 &amp; 2013</li><li>Databases in 2013</li><li>TOM: Data &amp; Information in 2014</li><li>TOM: Operating Systems in 2014–2016</li></ul> <i>Twente Academy/Pre-U: Educational developer and teacher</i> Pre-U (formerly Twente Academy) is the university's pre-university college. <ul style="list-style-type: none"><li>Developed and taught of Masterclass Hacking in 2013–2016</li><li>Guidance of Technasium final projects</li><li>RED Engineers Challenge, primary school guest teacher in 2014</li></ul>	Enschede, Netherlands zero-hour contract
2012–now	<b>Personeelsservice Nederland B.V.</b> <i>Stock-taker</i> Pays legal minimum wages, part of the company revenue is paid to charities.	Enschede, Netherlands zero-hour contract
2009–now	<b>THICT</b> <i>Owner</i> My own company, which is dormant right now. <ul style="list-style-type: none"><li>2010: Developed two machine interfaces for Beun- De Ronde B.V.</li><li>Helpdesk and troubleshooting</li><li>General IT advice (hardware, software, licensing, legal)</li></ul>	Boekelo, Netherlands
2007–now	<b>DWN</b> <i>Volunteer</i> No wages, the company gives directly to charities for every hour worked. <ul style="list-style-type: none"><li>Technician at De Oude Usselerschool<ul style="list-style-type: none"><li>Audio, video &amp; stage lighting</li><li>Maintenance of technical facilities</li><li>Replaced analogue (PAL) video system with digital system in full HD.</li></ul></li><li>Stock-taker</li><li>Minor jobs: cleaner, construction worker, crew marathon Enschede</li></ul>	Netherlands zero-hour contract
2013–2014	<b>Bonhoeffer College location Bruggertstraat</b> Computer Science teacher A year later one of the computer science teachers who mentored me during the internship left, and I was offered the post. I had to turn down the offer at that time.	Enschede, Netherlands internship
2008-2009	<b>PSS Development</b> <i>Software Engineer</i> <ul style="list-style-type: none"><li>C# ASP.NET web applications</li><li>T-SQL databases</li></ul>	Stadskanaal, Netherlands full-time volunteer through A-Team Pagedal
2013	<b>Cake</b> Cake for <i>Best Poster and Explanation</i> for team project: Solver for GearSketch	University of Twente, 19 <sup>th</sup> Twente Student Conference on IT

## communication skills

**client wishes:** I have done some work for my own company where I discuss the client's wishes with them. When I do live A/V work for parties, weddings or funerals I ask the client their wishes, and show what I can do for them.  
**presentation:** With various jobs in education, I have experience in how to present information in a way that improves clarity and facilitates understanding.  
**print production:**Though not particularly talented at design, I have some insight into the process of transferring digital media to print, using free tools such as GIMP, Inkscape, ΛΤΕΧ, etcetera.

## interests

**professional:** information security, system security, UNIX-like operating systems, computer hardware, software, FOSS software, software licenses, information law, source management  
**personal:** books (fantasy, sci-fi), hacking hardware and software, GNU/Linux, Arduino, OpenMW, Raspberry Pi, domotics, rocket science, and many other things  
**religious:** Christian (Brunstad Christian Church)