

Gijsbert ter Horst

Software Developer

personal

sex
Male
birth-date
March 25th 1991

contact

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github.com/ghostbird
ghostbird.nl

languages

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

programming

C
Python
C# .NET Core
Java
SQL
CSS & HTML
Lua
Javascript
PHP

software

LaTeX2e
Eclipse
Visual Studio
Visual Studio Code
Git
GIMP
Inkscape
Dia
Blender
LibreOffice
Audacity
Handbrake
Arduino IDE
Armitage
Wireshark
Aircrack-ng
QLC+

hardware

Custom desktop
HP Elitebook 8530w
Raspberry Pi's
Arduinos
ESP8266s

operating systems

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

games

OpenMW
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	Student Computer Science	University of Twente, Enschede
2002-2008	VWO N&T+N&G, Informatics, Latin	Bonhoeffer College Bruggertstraat, Enschede

experience

2016–now	Intar B.V. <i>Software developer</i> Intar is a three man company where we create our platform that makes the possibilities of the Internet of Things available to the non-technical end-user.	Enschede, Netherlands full-time
2014–2016	Controllab Products B.V. <i>Software developer</i> <ul style="list-style-type: none">Implemented evaluation version of coupling between 20-sim and Matlab through Apache XMLRPC + Matlabcontrol.Created GCAT Evaluation, a test suite that dynamically verifies the correctness of C-code generated by 20-sim. Written in bilingual Python (2.7/3.4)Research and documented on on the possibilities of static analysis of the C-code generated by 20-sim, focused on MISRA C compliance.Wrote script that keeps track of issue tracker statistics, calculates related ISO9001 KPI process over time.Set up centralised user account system using Samba on Debian.Set up groupware server for mail and calendar system	Enschede, Netherlands zero-hour contract
2012–2017	University of Twente <i>Undergraduate Teaching Assistant</i> Teaching, examining, and grading students. <ul style="list-style-type: none">Operating Systems in 2012 & 2013Databases in 2013TOM: Data & Information in 2014TOM: Operating Systems in 2014–2016 <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">Developed and taught of Masterclass Hacking in 2013–2016Guidance of secondary school final projects in 2014–2017RED Engineers Challenge, primary school guest teacher in 2014	Enschede, Netherlands zero-hour contract
2012–now	Personeelsservice Nederland B.V. <i>Stock-taker</i> Pays legal minimum wages, part of the company revenue is paid to charities.	Enschede, Netherlands zero-hour contract
2009–now	THICT <i>Owner</i> My own company, which is dormant right now. <ul style="list-style-type: none">2010: Developed two machine interfaces for Beun- De Ronde B.V.Helpdesk and troubleshootingGeneral IT advice (hardware, software, licensing, legal)	Boekelo, Netherlands
2007–now	DWN <i>Volunteer</i> No wages, the company gives directly to charities for every hour worked. <ul style="list-style-type: none">Technician at De Oude Usselerschool<ul style="list-style-type: none">Audio, video & stage lightingMaintenance of technical facilitiesReplaced analogue (PAL) video system with digital system in full HD.Stock-takerMinor jobs: cleaner, construction worker, crew marathon Enschede	Netherlands zero-hour contract
2013–2014	Bonhoeffer College location Bruggertstraat 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	PSS Development <i>Software Engineer</i> <ul style="list-style-type: none">C# ASP.NET web applicationsT-SQL databases	Stadskanaal, Netherlands full-time volunteer through A-Team Pagedal

awards

2013	Cake Cake for Best Poster and Explanation for team project: Solver for GearSketch	University of Twente, 19 th Twente Student Conference on IT
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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, LaTeX, 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)