

Gijsbert ter Horst

IT Freelancer

personal

sex

Male

birth-date

March 25th 1991

contact

Beckumerstraat 171^C
7548 BD Boekelo
Netherlands

+31 6 13483632

gijsbertth@gmail.com
github.com/ghostbird
ghostbird.nl

languages

(native) Dutch

English

(bad) German

(worse) French

(read-only) Norwegian

programming

C

Python

Java

SQL

CSS & HTML

Lua

C# ASP.NET

software

LaTeX2e

Eclipse

Git

GIMP

Inkscape

Dia

Blender

LibreOffice

Audacity

Handbrake

Arduino IDE

Armitage

Wireshark

Aircrack-ng

education

2009–now **Student** Computer Science

University of Twente, Enschede

2002–2008 **VWO** N&T+N&G, Informatics, Latin

Bonhoeffer College Bruggertstraat, Enschede

experience

2014–2016 **Controllab Products B.V.**

Enschede, Netherlands

Software developer

zero-hour contract

- 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 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

2012–now **University of Twente**

Enschede, Netherlands

Undergraduate Teaching Assistant

zero-hour contract

Teaching, examining, and grading students.

- Operating Systems in 2012 & 2013
- Databases in 2013
- TOM: Data & Information in 2014
- TOM: Operating Systems in 2014–2016

Twente Academy/Pre-U: Educational developer and teacher

Pre-U (formerly Twente Academy) is the university's pre-university college.

- Developed and taught of Masterclass Hacking in 2013–2016
- Guidance of Technasium final projects
- RED Engineers Challenge, primary school guest teacher in 2014

2012–now **Personeelsservice Nederland B.V.**

Enschede, Netherlands

Stock-taker

zero-hour contract

Pays legal minimum wages, part of the company revenue is paid to charities.

2009–now **THICT**

Boekelo, Netherlands

Owner

My own company, which is dormant right now.

- 2010: Developed two machine interfaces for Beun- De Ronde B.V.
- Helpdesk and troubleshooting
- General IT advice (hardware, software, licensing, legal)

2007–now **DWN**

Netherlands

Volunteer

zero-hour contract

No wages, the company gives directly to charities for every hour worked.

- Technician at De Oude Usselerschool
 - Audio, video & stage lighting
 - Maintenance of technical facilities
 - Replaced analogue (PAL) video system with digital system in full HD.
- Stock-taker
- Minor jobs: cleaner, construction worker, crew marathon Enschede

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

2013–2014 **Bonhoeffer College location Bruggertstraat**

Enschede, Netherlands
internship

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.

2008–2009 **PSS Development**

Software Engineer

Stadskanaal, Netherlands
full-time volunteer through A-Team Pagedal

- C# ASP.NET web applications
- T-SQL databases

awards

2013

Cake

University of Twente, 19th Twente Student Conference on IT

Cake for *Best Poster and Explanation* for team project: Solver for GearSketch

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)