

# Gijsbert ter Horst

Software Developer

## personal

### sex

Male

### birth-date

March 25<sup>th</sup> 1991

## contact

Beckumerstraat 171<sup>C</sup>  
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

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+

## 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.**

Enschede, Netherlands

*Software developer*

full-time

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.

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

2012–2017 **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 secondary school final projects in 2014–2017
- 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)

## 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 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

2007–now

### DWN

*Volunteer*

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

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

*Software Engineer*

- C# ASP.NET web applications
- T-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, 19th 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,  $\LaTeX$ , 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)