Curriculum Vitae

Geert Uytterhoeven

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Personalia:

Nationality:	Belgium
Date of birth:	February 22, 1971 (Leuven, Belgium)
Marital status:	Married with children
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StrengthsFinder:

My signature themes, according to Clifton StrengthsFinder, are:

1. **Input**
   People strong in the Input theme have a craving to know more. Often they like to collect and archive all kinds of information.

2. **Analytical**
   People strong in the Analytical theme search for reasons and causes. They have the ability to think about all the factors that might affect a situation.

3. **Maximizer**
   People strong in the Maximizer theme focus on strengths as a way to stimulate personal and group excellence. They seek to transform something strong into something superb.

4. **Relator**
   People who are strong in the Relator theme enjoy close relationships with others. They find deep satisfaction in working hard with friends to achieve a goal.

5. **Deliberative**
   People strong in the Deliberative theme are best described by the serious care they take in making decisions or choices. They anticipate the obstacles.

Education:

- *Burgerlijk Ingenieur in de Computerwetenschappen* (considered equivalent to *Master of Science in Engineering*), K.U.Leuven, 1994 (74.6%).

  Master's Thesis: *Ontwerp en implementatie van compressiealgoritmen met multi-wavelets* (*Design and Implementation of Compression Algorithms using Multiwavelets*). Advisor: Prof. Dr. Adhemar Bultheel.

- Ph.D. in Computer Science, K.U.Leuven, April 1999.

  Ph.D. Thesis: *Wavelets: Software and Applications*. Advisors: Prof. Dr. ir. Dirk Roose and Prof. Dr. Adhemar Bultheel.

Linux, the choice of a GNU generation:
I am a recognized contributor within the Linux kernel community since 1994.

- Maintainer of the port of Linux/m68k to the Amiga platform (1996–present).

- Member of the XFree86 development team (1996–2001).

- Maintainer of the Linux kernel frame buffer device subsystem (1997–2004).

- Initiator and maintainer of the port of Linux/PPC to the CHRP LongTrail platform (1997–2004).

- Port of Linux/MIPS to the NEC DDB Vrc-5074 evaluation board (2000).

- Maintainer of the Linux kernel on the m68k (with MMU) architecture (2000–present)

- PS3 and Linux on Cell (storage, graphics, . . .) (2006–2009).

- Renesas ARM-based SoCs (2013–present):

  - Maintainer of Renesas clock and pin control drivers (2016–present),
  - Maintainer of Renesas ARM SoC platform support (2019–present).

- Linux Long-Term Support Initiative (LTSI) submaintainer (2018).

- Author or maintainer of various kernel drivers (Ethernet, graphics, IDE, audio, SCSI, RTC, . . .).

- m68k, PowerPC, MIPS, ARM, SuperH, RISC-V, . . .

- Invitee of the *Linux Kernel Developers Summit* (2002–2004).

- Member of the program committee of the *Embedded, Mobile and Automotive devroom* at FOSDEM (2004–present).

Freelance Career:
Independent ICT Consultant and Owner at Glider bv, providing (Embedded) Linux (Kernel) Development, Consultancy, and Coaching Services, since December, 2013.

Sony Career:
Software Engineer / Senior Software Engineer / Software Architect at Sony Corporation (Sony Suprastructure Center Europe (SUPC-E) / Sony Software Development Center Europe (SDCE) / Sony Network and Software Technology Center Europe (NSCE) / Sony Technology and Software Centre Europe (Sony Techsoft Centre Europe / TSCE)), Brussels and Zaventem, since September 1, 1999:

- Aperios device drivers (e.g. NE2000 Ethernet driver) (September 1999 – January 2000).

- Porting the Linux kernel to the NEC DDB Vrc-5074 evalution board (January – March 2000).

- G2V0 (Second generation Set-Top Box for DVB-S prototype): Implementation of the network device (January – June 2000).

- MyMusicStation: Music recording prototype (November 2000 – March 2001).

- E2 (Integrated Digital Television prototype): Responsible for the graphics subsystem (February – June 2001).

- G2V1 (Second generation Set-Top Box for DVB-S product): Responsible for the graphics subsystem (June 2001 – April 2003).

- Mjølnir (Porting Linux to G2V1 hardware and implementing a simple PVR application on top of the LinuxTV DVB API): Core OS porting, frame buffer and IDE device drivers (December 2002 – May 2003).

- Porting a Sony proprietary OS to G2V1 hardware and implementing the LinuxTV DVB and DirectFB APIs and the PVR application from Mjølnir: Core OS porting, IDE and file system driver (May – July 2003).

- Optimization of security and cryptography software (August 2003 – March 2004).

- CMM (Capability and Maturity Model) Level 3 assessment team member (January 2004).

- Design of a download server for TvTv EPG (Electronic Program Guide) data (April 2004).

- LocationFree development: base station (VxWorks), LocationFree Player for Sony PSP (PlayStation Portable), LocationFree Player for Sony Ericsson P990i (Symbian/UIQ) (August 2004 – October 2006).

- PS3/Cell Linux development and maintenance (November 2006 – September 2009):

  - PS3: Graphics (frame buffer device, AV settings), storage (hard disk, FLASH, CD/DVD/BD),
  - Working with FLOSS community, Linux distributors, and partners in the Cell Consortium (IBM, Toshiba, Sony),
  - BCU-100 (Zego): Testing and evaluation.

- Linux support activities for TV business (a.o. mainlining support for Squash-FS) (April 2008 – March 2009).

- Music Unlimited client middleware development for offline operation: PSP, Android (January 2010 – April 2013).

- Participation in the CE Linux Forum.

- Introduction of git, to replace legacy version control systems (ClearCase and Subversion).

Academic Career:

- Researcher at K.U.Leuven, project IT/IF/05 (Belgian programme on Informatics for the Future, initiated by the Belgian State — Prime Minister's Service — Federal Office for Scientific, Technical and Cultural Affairs), September 1 – October 31, 1994.

- Researcher at K.U.Leuven, project IUAP-17 (Belgian programme on Interuniversity Poles of Attraction, initiated by the Belgian State — Prime Minister's Service — Federal Office for Scientific, Technical and Cultural Affairs), November 1, 1994 – December 31, 1995.

- Research Assistant at K.U.Leuven, Department of Computer Science, January 1 – August 31, 1996.

- Researcher at K.U.Leuven, project ITA/950244 (Flemish Information Technology Action Program), September 1, 1996 – August 31, 1999.