

# CURRICULUM VITAE

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<b>Name</b>	Lucio Andrés Illanes Albornoz
Email address	<lucio@lucioillanes.de>
Mobile telephone number	+49 1623 714 810
Address	Nagelsweg 16, 20097 Hamburg, Germany
Date of birth	13 August 1987
Nationalities	Chilean, German
GitHub	< <a href="https://git.io/vS4CG">https://git.io/vS4CG</a> >
Website	< <a href="http://www.lucioillanes.de/">http://www.lucioillanes.de/</a> >

## EDUCATIONAL CAREER

### Primary/secondary education

Degree(s) attained	<b>Mittlere Reife/MSA, equivalent to GCSE in the UK</b>
Sep. 2015 – Jan. 2017	Deutsche Angestelltenakademie (MSA course)
Aug. 2004 – Sep. 2004	Staatliche Gewerbeschule G20, Hamburg
Aug. 2001 – Feb. 2004	Integrierte Gesamtschule Walddörfer, Hamburg
Aug. 1998 – Jul. 2001	Gymnasium Grootmoor, Hamburg
Jun. 1994 – Jul. 1998	Grundschule Redder, Hamburg

### Internships

2003	<b>Sasol Germany, Hamburg</b>
Responsibilities/role	Internal help desk/support on Windows platforms
First half of 2002	<b>Compaq Computer Corporation, Hamburg</b>
Responsibilities/role	Corporate customer support on OpenVMS platforms

### Life/studies abroad

	Santiago, Region Metropolitana, Chile (Dec. 2007 - Oct. 2008)
	Viña del Mar, V° Region, Chile (Oct. 2005 - Dec. 2007)
Areas of study	<b>Classical/Palestinian Arabic and Spanish in largely informal contexts</b>

## ICT/IT SKILLS & EXPERTISE

### Main areas of interest

	<b>Network/system administration and systems programming on Linux/*BSD and Windows NT-based OS; OS development/theory (OpenVMS, Windows NT)</b>
Operating systems/technologies	Debian/RedHat/-derived Linux (APT, RPM,) DragonFly/Free/Net/OpenBSD, ZFS; VMS, Solaris, Windows Client/Server: minimal to some experience.
Programming languages/tools	amd64/x86 and MIPS assembler, Bourne/Korn/Z shell, BSD/GNU make, C (C89/C99/C11,) C++ (C++11,) debuggers (gdb, WinDbg,) GNU autotools, Tcl; CSS/HTML, Lua, Perl and Python: some experience; Haskell: minimal experience.
Networking	Firewalls based on pf on Free/Net/OpenBSD and iptables/tc on Linux, IPsec/ OpenVPN, LAN/WAN configuration/routing, NFS/SMBb, OpenSSL
Specific protocols/daemons	DNS (BIND, pdnsd,) FTP (vsftpd,) HTTP (Apache, nginx,) IRC (bitlbee, eggdrop, ircd-hybrid/ratbox,) NTP (ntp,) SMTP (Exim4,) SSH (OpenSSH)
Specific applications/technologies	Containers (*BSD jails, LXC, OpenVZ,) configuration management/monitoring (Ansible, CFEngine, collectd, MRTG, RRDtool, Salt,) GNU screen & tmux, Mutt, PAM, rsync, rsyslogd, systemd, ulogd2, UNIX commands (awk, BSD & GNU coreutils, ed, sed, vi, Vim,) virtualisation software/hypervisors (Hyper-V, Qemu, VirtualBox, VMware,) VCS (Git, Subversion,) Vixie cron

## SUMMARY & CAREER OBJECTIVES

I have 10 years of practical, hands-on experience in primarily network administration and systems programming on Linux, \*BSD, and, within the context of OS development/theory, OpenVMS and Windows NT-based OS; this includes driver development as well as creating and maintaining infrastructure for my social circle of friends and associates.

I am fluent in my native languages, Spanish (paternal, Chilean/Andalusian dialect) and German (maternal, Northern Germany/Hamburg dialect), as well as English (British English,) at CEFR level C1 according to personal judgment, and lastly Classical Arabic at CEFR level A2-B1. My personal interests and passions overwhelmingly revolve around Arabic and Spanish within the cultural and historical context of al-Andalus and its continuing relevance in Chile, Argentina, as well as Southern Spain.

I am exclusively self-taught, highly adaptable and flexible, with a particular aptitude for fast-paced environments with fluid goals and requirements and as such, iterative and empirically driven development.

It is my belief that writing maintainable code is of utmost priority as a principle a priori in order to create reliable and secure software, both in terms of code quality measured by expressiveness as well as comments and documentation.

## PROJECT INVOLVEMENT (DETAILED SPECIFICATIONS AVAILABLE ON REQUEST)

February 2016-ongoing	<b>midipix_build: build/cross-compilation infrastructure for midipix</b>
November 2016-December 2016	<b>Tcl TIP #458: design and implementation of epoll/kqueue support</b>
April 2017-ongoing	<b>Arable: a configuration management, backup, cloud and dotfile synchronisation, host provisioning, monitoring, software deployment, and ad-hoc task execution tool (WORK IN PROGRESS)</b>

## INTERESTS & ADDITIONAL SKILLS

### **Languages (CEFR levels given are personal judgments unless specified otherwise)**

Maternal language	German (CEFR: C1)
Paternal language	Spanish (CEFR: C1)
1 <sup>st</sup> foreign language	English (CEFR: C1; at Colón Language Center Hamburg: A)
2 <sup>nd</sup> foreign language	Classical Arabic, some dialects (CEFR: A2-B1)

### **Other interests**

Hermeneutics and history of Islam (esp. al-Andalus,) linguistics (esp. of Arabic,) philosophy (esp. Heraclitus, al-Ghazali, b. Rushd, Kant, Husserl,) anthropological psychiatry/psychopathology (esp. Blankenburg)

## CHARACTER/PROFESSIONAL REFERENCES

**References available on request.**