CURRICULUM VITAE

Name	Lucio Andrés Illanes Albornoz
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Address	Nagelsweg 16, 20097 Hamburg, Germany
Date of birth	13 August 1987
Nationalities	Chilean, German
GitHub	<https://git.io/vS4CG>
Website	<http://www.lucioillanes.de/>

ICT/IT SKILLS & EXPERIENCE

System administration

Platforms and servers	Debian/-derived Linux, Free/Net/OpenBSD, ircd-hybrid, nginx
Scripting and automation	Ansible, Bourne/Bash/Z shell, BSD rc, systemd, Perl, rsync
Roles and technologies	iptables & pf-based firewalls, IPsec & OpenVPN, LXC & cgroups, ZFS

Programming areas — Systems & network programming on Linux, *BSD & Windows

Languages and tools	C, Tcl, BSD & GNU development environments, gdb, Qemu;
	amd/x86 & MIPS assembler, C++, Lua, Python & WinDbg: some experience

Project involvement

February 2016-ongoing — **midipix_build: build/cross-compilation infrastructure for midipix, a POSIX/Linux-compatible development/runtime environment for Windows**

1. Automatically cross-builds ca. 150 packages covering the toolchain, runtime components & 3rd party software.
2. Written in reasonably portable Bourne shell, ca. 1500 SLOC, pragmatically modular.
3. Flexible & lightweight infrastructure – has proven itself towards maturity over the course of ca. 1 year.

November 2016-December 2016 — **Tcl TIP #458: design and implementation of epoll/kqueue support in the Tcl notifier on Linux/*BSD, resp. for Tcl, a high-level, general-purpose, interpreted, dynamic programming language (FlightAware bounty programme)**

1. Tcl's original event-based architecture based on select(2) had scalability and code complexity concerns.
2. On Linux/*BSD, epoll/kqueue is now used instead, which eliminates a major bottleneck in event-heavy code.
3. Code complexity was reduced as the code is no longer unnecessarily multi-threaded, without breaking multi-threaded Tcl or C code.

Internships

2003	**Sasol Germany, Hamburg**
Responsibilities/role	Internal help desk/support on Windows platforms
2002	**Compaq Computer Corporation, Hamburg**
Responsibilities/role	Corporate customer support on OpenVMS platforms

PERSONAL SKILLS & EXPERIENCE

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

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

Primary/secondary education

Degree(s) attained	**Mittlere Reife/MSA, equivalent to GCSE in the UK**
Sep. 2015 – Jan. 2017	Deutsche Angestelltenakademie (MSA course)
Aug. 2001 – Feb. 2004	Integrierte Gesamtschule Walddörfer, Hamburg