

# Julian Andres Klode

{Debian, Ubuntu Core, Free Software} Developer, CS Student and Tutor

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## OPEN SOURCE

### Ubuntu — *Ubuntu Core Developer*

JULY 2016 - PRESENT

(Ubuntu Member since November 2007)

Maintaining APT, fixing bugs in random packages, and uploading stable release updates and other bug fixes - including “sponsoring”, that is, uploading for other developers.

### Debian — *Debian Developer*

OCTOBER 2008 - PRESENT

Member of the APT (package manager) team, working on python-apt and apt itself (led the transition of python-apt to a new API and the Python 3 port); creator of dh-autoreconf (now widely used in Debian) and hardlink tools; and various other bits of software.

### Others

Maintaining various utilities written mostly in C or Python, and largely rewrote a Linux driver for Nvidia Embedded Controller (nvec). Invented [TrieHash](#), a generator for fast perfect hash functions in C.

## EDUCATION

### Philips-Universität, Marburg — M.Sc., Computer Science

OCTOBER 2014 - JUNE 2017 (ETA)

Focused on courses in software engineering, IT security, distributed systems and networks, and programming languages. Estimated grade between 1.4 and 1.6 (good).

### Philipps-Universität, Marburg — B.Sc., Computer Science

OCTOBER 2011 - SEPTEMBER 2014

Completed with grade 2.0 (good), thesis “[Performance and Interfaces of Datatype-Generic Scala Programs](#)”: 1.2 (very good).

### Lichtenberg-Schule, Kassel — *state-certified mathematical-technical assistant*

AUGUST 2010 - JULY 2011

(equivalent to an apprenticeship)

Courses about C++/Smalltalk/Economics/Digital Electronics/Numerical Analysis, Internship (see below) — Completed with grade 1.8 (good)

## WORK

### Philipps-Universität, Marburg — *Teaching Assistant / Tutor*

OCTOBER 2013 - PRESENT (8 months per year)

Correcting homework and supervising and assisting groups of students in Software Engineering introduction courses, and practical (mostly Android) programming courses.

### Canonical Ltd., remote — *Intern (APT development)*

APRIL 2011

Briefly interned on APT work under Michael Vogt’s supervision

## SKILLS

Programming; primarily in Python (as in python-apt), C (as in hardlink or kernel contributions), and C++ (as in apt); but also in Java, Scala (as in B.Sc. thesis), Haskell. Some Perl. Grasping concepts of Go.

Developing programs for Linux, FreeBSD, and other UNIX-like platforms.

Distributed software development using git, bazaar, and subversion.

Packaging applications and libraries for Debian-based operating systems.

Basic autotools and libtool magic.

Basic Android development using Eclipse, Android Studio, and command-line tools.

Essential SQL database programming, with a focus on PostgreSQL.

Basic HTML, CSS, and JavaScript web programming.

Helping and supervising groups (of students) in their work.

## LANGUAGES

German and English

## LINKS

→ [Debian QA](#) (jak)

→ [GitHub](#) (julian-klode)

→ [Launchpad](#) (juliank)