

# Martin Takeya Weber

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## Personal

- Born on June 26, 1990.
- Swiss and Japanese Citizen.

## Education

**2010** Matura — Mathematics and Natural Sciences, Gymnasium Neufeld, Bern

**2016** B.S. — Computer Science, Swiss Federal Institute of Technology, Lausanne (EPFL)

**in progress** M.S. — Computer Science, Swiss Federal Institute of Technology, Lausanne (EPFL)

## Employment

**September 2013–June 2016** EPFL

*Student Teaching Assistance*

Assisting TAs at helping students for the CS courses *Computer Architecture I+II* (systems design with VHDL and programming in NIOS II/MIPS assembly) and the introductory courses *Programming I+II* (C programming language).

**February–August 2015** EPFL Dependable Systems Laboratory (DSLAB)

*Student Assistance*

Writing a small CLI in Python for building and controlling *Chef*, a VM-based symbolic execution framework for scripting languages.

**February–May 2016** DomoSafety, Lausanne

*Programming*

Setting up *Raspberry Pis* to collect logs from devices connected both via serial cable and via *ZigBee*, and to store them on a central server.

**May 2016–February 2017, August 2017** Papiliorama Foundation, Kerzers

*Civil Service: System Administration*

Managing and improving an existing server infrastructure (Linux/Windows) and network consisting of various devices (PCs, cameras, printers); unifying previously scattered services (DNS, mail, web, LDAP); creating/improving internal documentation; end-user support.

**since July 2018** Bity SA, Neuchâtel

*Internship: System Administration*

Creating an automated installation system (PXE) and writing Ansible playbooks to install and manage Debian Linux on office workstations.

## Works

- Mechanisms for Supporting Guest-Level API for full VM Binary Analysis  
*Bachelor Thesis, Lausanne, January 2015*

## Projects

- karuiwm  
*Lightweight, modular, dynamically tiling window manager for X11*

## Other Activities

**GNU Generation** A student association on the EPFL campus that promotes the use of Free and Open Source Software and represents an environment for meeting people interested in FOSS; *de-facto* helpdesk for GNU/Linux and other FOSS on the campus.

*Member of the Association* (since January 2013)

Helping students and other people with questions and issues related to GNU/Linux; helping organising some association events.

*President of the Association* (March 2017–January 2018)

Organising events and communicating to other entities on the campus on behalf of the association in technical and non-technical matters; deciding on association matters in cooperation with the other members in the committee.

## Skills

**Programming** C, sh, Python

**SysAdmin** Linux (Arch, Debian), systemd, nftables, lighttpd, QEMU/KVM, GitLab/gitolite, OpenLDAP, Ansible

## Languages

- German & Alemannic (mother tongue)
- English & French (proficient)
- Japanese (basic skills)

## Interests and Hobbies

- Operating Systems (Unix/Linux), System Administration, Software Engineering (Middleware), Networking, Music (Guitar, Drums), Photography, Tabletop Games, Typography, Linguistics

Last updated: July 28, 2018

<http://ayekat.ch/files/pdf/cv.pdf>