

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 Assistant

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 Assistant for Dr. Stefan Bucur

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

February–May 2016 DomoSafety, Lausanne

Programmer

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 Papiliorama Foundation, Kerzers

System Administrator (Civil Service)

Managing and improving an existing server infrastructure (Linux/Windows) and network consisting of various devices (PCs, surveillance system, web applications); unifying previously scattered services (DNS, mail, web); creating/improving internal documentation.

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, POSIX sh, Python, Go, Java, Scala, Perl, Assembly (NIOS II/MIPS, x86)

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

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