Brendan Harley

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4 Months System Administration Internship

Education

2014-2020 (current)	**Computer Science Engineering Degree** EPITA (Kremlin-Bicetre) *First year of engineering cycle*
2014	**Science Baccalaureat**; Lycee la providence, Rouen, Honors
2011	**BIA (Initiation to aeronautics)** Lycee la providence, Rouen, Honors

Experience

January 2017 - Actual
LSE at EPITA :

- Deployment and monitoring of a Ceph cluster with Ansible, Docker.
- Development of bootstrap-vz to adapt it to lab uses.
- Administration of server additions, network set-up.
- Management of server room resettling.
- Deployment of Prometheus / Graphana.
- Management of a Docker Swarm.
- Deployment of wireguard for VPN.

June - July 2016
IT service at DaVolterra

- Deployment of Proxmox on newly arrived servers
- Mapping of network infrastructure
- Deployment and development of an intranet
- Day-to-day IT issues fixes

Technical Experience

Open Source

Bootstrap-vz: A Debian image builder for virtual machines

- Add LVM/Qcow support
- Fix cleaning after bootstraping
- Fix Archlinux compatibility
- Fix potential security leak and silent fail when dependencies weren't present

Programming Languages

C: Notions in low-level usage.

Python: Notions, mainly self-taught through reversing of bootstrap-vz.

Bash: Notions, use in everyday scripts.

Basic knowledge of **C++**, **x86 assembly**, **Go**, **OCaml**

Known tools

Ansible, Git, UNIX-like environments, Isinga, Jenkins

Human Languages :

English: Bilingual from birth

Hobbies

- **Karate:** First Kyu
- **Airsoft:** Chief of staff at Stack, the airsoft association of EPITA
- **Other Hobbies:** Reading, Video Games, Programming, Cinema