

# Brendan Harley

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## System Administration Internship

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### Education

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| <b>2014-2020 (current)</b> | <b>Computer Science Engineering Degree</b> EPITA (Kremlin-Bicetre)<br><i>First year of engineering cycle</i> |
| <b>2014</b>                | <b>Science Baccalaureat</b> ; Lycee la providence, Rouen, Honors   |
| <b>2011</b>                | <b>BIA (Initiation to aeronautics)</b> Lycee la providence, Rouen, Honors                                    |

### Experience

January 2017 - Actual  
**LSE at EPITA :**

June - July 2016  
**IT service at DaVolterra**

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|--|---|
| <ul style="list-style-type: none"><li>• Deployment and monitoring of a Ceph cluster with Ansible, Docker.</li><li>• Development of bootstrap-vz to adapt it to lab uses.</li><li>• Administration of server additions, network set-up.</li><li>• Management of server room resettling.</li><li>• Deployment of Prometheus / Graphana.</li><li>• Management of a Docker Swarm.</li><li>• Deployment of wireguard for VPN.</li></ul> | <ul style="list-style-type: none"><li>• Deployment of Proxmox on newly arrived servers</li><li>• Mapping of network infrastructure</li><li>• Deployment and development of an intranet</li><li>• Day-to-day IT issues fixes</li></ul> |
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### Technical Experience

#### Open Source

**Bootstrap-vz:** A Debian image builder for virtual machines

- Add LVM/Qcow support
- Fix cleaning after bootstrapping
- 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