Étienne St-Amant Audet

IT ENGINEERING · STUDENT

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"To succeed, planning alone is insufficient. One must improvise as well." — Isaac Asimov

Education

ÉTS (École de technologie supérieure)   *Montreal , Canada*

B.S. IN COMPUTER SCIENCE AND ENGINEERING (3TH YEAR)   *Sep. 2017 - Aug. 2021 (Expected)*

- Cumulative GPA: B+/3.5/78%
- Consistently in the first students to understand and integrate the learning

Montmorency College   *Laval, Canada*

TECHNIQUE IN COMPUTER SCIENCE - SPECIALIZATION: NETWORK MANAGEMENT   *Sep. 2014 - Apr. 2017*

- Achievement: Award of Excellence for the best final presentation.
- Final Project: Develop a proof of concept of a network infrastructure using VMware ESXi, Samba, DHCP, Named, Centos and Apache.

Experience

Canadian National Railway   *Montreal, Canada*

R&D ENGINEER INTERN   *Apr. 2019 - Aug. 2019*

- Design a fault-tolerant infrastructure using the MQTT messaging protocol for communication with locomotives.
- Design a python application to sort, transform and transport the logs of an application to a centralized server.
- Improving data ingestion on Azure Cloud using Python, Event Hubs and Data Explorer (Kusto).
- Awarded the Generations Scholarship.

Savoir-Faire Linux   *Montreal, Canada*

INFRASTRUCTURE, CLOUD AND SYSTEM ARCHITECTURE ENGINEER INTERN   *Jan. 2018 - May 2018*

- Contribute to the implementation of new Linux systems. (Ubuntu, CentOS and RedHat)
- Improving and implementing system monitoring with Grafana, Nagios and Shinken.
- Obtaining Red Hat Certified Specialist rank in Ansible Automation.

Likuid   *Mirabel, Canada*

SYSTEM ADMINISTRATOR   *Feb. 2016 -*

- Perform maintenance and respond to outages on Linux and Windows servers.
- Implementation of an automated backups system to an offsite server with bash, rrsync, ssh, cron and rsnapshot.
- Complete installation automation of new cPanel servers with Ansible.
- Design and deploy an highly available infrastructure with Keepalived, MariaBD Galera Cluster, cPanel and HAProxy.

Skills

DevOps	AWS, Azure, Heroku, Docker, Kubernetes, Vagrant, Ansible, OpenStack, Puppet, Git, OpenVZ, QEMU/KVM.
Programming	Python, Java, JavaScript, LaTeX, Perl, Bash.
Languages	French, English

Implications

Hackfest 2016 Participation   *Quebec, Canada*

PARTICIPANT   *Nov. 2016*

- Gather students to participate in the event.
- Seek funding from different committees.

Emile-Nelligan Library   *Laval, Canada*

VOLUNTEER   *Sep. 2014*

- Teach basic computer skills to older people.