


# Sydney Gems

## IT Engineer

 [sydney.gems.technology](https://sydney.gems.technology)

 [sydney@gems.technology](mailto:sydney@gems.technology)

23 years old

 +33 (0)6 35 93 04 68

Licensed to drive a motor vehicle

## Professional Experience

### IT Security Intern

[Siemens AG - Karlsruhe](#)

 Apr. 2018 – Sep. 2018  Karlsruhe, Deutschland

- Intern in the Security Department (confidential Subject)  
*keywords: Python, Kali, Nessus, MongoDB, SiESTA, log*

### Research Internship

[Siemens AG - Karlsruhe](#)

 Apr. 2017 – Sep. 2017  Karlsruhe, Deutschland

- Migration of Simatic Applications STEP 7 to UWP.  
*Keywords: C#, Research, Windows Server, UWP*

### Freelancer – Web & Business

 [Université de Haute Alsace](#)

 2015 – ongoing  Mulhouse, France

- Development of GEMS, a web-based business simulation game for universities and engineering schools.
- Servers maintenance and administration.  
*Keywords: Nginx, Django, Bash, Linux, Economy, JS, Postgresql*

## Education

### IT-Engineering School

 [ISIMA \(double degree\)](#)

 2015 – 2018  Clermont-Ferrand, France

- College of Engineering in Computer Science, Modelling and Applications (Master's Degree in Engineering).

### Master: International of Computer Science



 [UCA \(double degree\) - Valedictorian](#)

 2015 – 2018  Clermont-Ferrand, France

- Double degree at the computer science University.

### Baccalauréat série S

[Lycée Scheurer Kestner](#)

 2015  Thann, France

- High School Diploma (equivalent to A level) specialized in Science **obtained with Honours.**

## Technical Skills

### System & Network

- ✓ **Unix:** RHEL and derivatives, Debian and derivatives, ArchLinux, AIX, OpenBSD, Windows Server
- ✓ **System:** Apache/Nginx, Docker, Gunicorn, Git, Metasploit/Nessus, Ansible, Veritas Clusters, KVM/VMWare, Postfix/Dovecot/Sympa, Grav, WordPress
- ✓ **DB:** Postgresql, MariaDB, SQLite, MongoDB, Peewee
- ✓ **Network:** Cisco IOS, CCNA Net Acad level 1 to 4 (ISIMA), Wireshark, AlgoSec

### Programming

- ✓ **Versatile:** C/C++, Rust, Python, Java, C#, Bash & Shell Scripts, PowerShell, UML, Scheme/Lisp
- ✓ **Web:** PHP/Symfony, JavaScript, Django, HTML/CSS, WebGL (Three.js), NodeJS, AJAX
- ✓ **Graphics:** Qt (and PyQt, PySide), GTK+
- ✓ **Others:** YAML, JSON, ARM Assembly

### Tools & IDE

- ✓ Vim, Emacs, Eclipse, VisualCode/Studio, PyCharm, Clion, WebStorm/PhpStorm, IntelliJ Idea
- ✓ Nextcloud, Collabora CODE, Tracim, LaTeX, Blender, GIMP, Bootstrap

## Languages


<b>French</b>	Native
<b>English</b>	TOEIC 930 (2018)
<b>German</b>	C1
<b>Spanish</b>	Basic

## Additional Projects

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### SuperTux - Multiplayer

 [GitLab repository](#)

 2017 – 2018  Clermont-Ferrand, France

- Developed a local and remote multiplayer mod to the Open-Source game SuperTux.

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### PGLX

 [GitLab repository](#)

 2015 – ongoing  Aspach-le-Haut, France

- Developed PGLX, small ERP for *Centre de Première Intervention* (fire stations). This ERP allows the administration staff to easily manage firemen and write, store and edit reports of the fire station interventions.

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### Fuko

 [GitLab repository](#)

 2017  France

- Developed Fuko, a free and open-source audio and video converter using ffmpeg library.

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### RCCF

 [GitHub repository](#)


 2016 – 2017  Clermont-Ferrand, France

- Developed and deployed in pairs an administration website of Raspberries' fleet along with the Raspberries' client-side program.

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### CCTV Camera System

[Student Body Council ISIMA](#)

 2015  Clermont-Ferrand, France



- Developed a CCTV security system with a Raspberry Pi and OpenCV aiming to provide security enhancement for the ISIMA's Student Body Council.

## Volunteer Work

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### System Administrator

[CPI - Aspach-Michelbach](#)


 2014 – ongoing  Aspach-Michelbach, France

- System administrator of the fire station of Aspach-Michelbach.

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### System Administrator

 [Isima-F5 blog](#)

 2018 – ongoing  France

- System administrator of the isima-f5.fr server.
- Mail server, websites, nextcloud, dns, NAS ...

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### Vice President

[Amicale des Sapeurs-Pompiers](#)

 2018 – ongoing  Aspach-Michelbach, France

- Vice president of the Firemen's association. Co-Management of the organization.

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### Volunteer Firefighter

[Corps local des Sapeurs-Pompiers](#)

 2011 – ongoing  Aspach-Michelbach, France

- I'm a volunteer firefighter and ambulance man emergency medical technician EMT-B since the age of 16. This grateful but very hard job requires close teamwork, permanent and highly intensive training.