

# Sydney GEMS - Resume

## IT Engineering Student (*final year*)

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Nationality: French  
Licensed to drive a motor vehicle



### Education

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- 2015 – now** (Engineer's degree) **INSTITUT SUPÉRIEUR D'INFORMATIQUE DE MODÉLISATION ET DE LEURS APPLICATIONS**, Clermont-Ferrand, France.  
Studying computer science and mathematical modelling (final year) at the ISIMA (*College of Engineering in Computer Science, Modelling and Applications delivering a diploma equivalent to a Master's Degree in Engineering*). I am in the F5 option (core curriculum plus security, network and web development background). *Valedictorian in 2017*. Preparing Cisco's CCNA certification.
- (Master) **INTERNATIONAL OF COMPUTER SCIENCE**.  
Double degree at the computer science University.
- July 2015** **CONCOURS COMMUN POLYTECHNIQUE**, Mulhouse, France.  
Passed *Polytechnique* entrance examination and admitted to ISIMA.
- 2015** **FACULTÉ DES SCIENCES ET TECHNIQUES**, Mulhouse, France.  
Obtained the *DEUG Diplôme d'études universitaires générales (Mathematics, Physics and Chemistry)* (General Academic Studies Degree).
- 2013-2015** **CYCLE PRÉPARATOIRE AUX GRANDES ÉCOLES**, Mulhouse, France.  
The CPGE is composed of two very intensive years training students to national competitive examination to enroll in the most prestigious higher education establishments.
- 2013** **LYCÉE SCHEURER KESTNER**, Thann, France.  
High School Diploma specialized in Science obtained with Honours (*Baccalauréat mention Bien*). Equivalent to A levels..

### Work & Project Experience

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- 2017** (5 months) **SIEMENS**, Karlsruhe, **Germany**.  
Migration of Simatic Applications STEP 7 to Microsoft's UWP technology.
- 2015** **GEMS**, Mulhouse, France.  
*GEMS (Genuine Education Motivated by Simulation)* is a web-based business simulation game for universities and engineering schools aiming to train students to finance and to provide them general knowledge about the management of an organization. Learnt by myself all the required business knowledge.

### Other Experience

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- 2017 - 2018** **SUPERTUX**, Clermont-Ferrand.  
Develop in pairs an multiplayer mod to the Open-Source game SuperTux.

- 2014** [PGLX](#), Aspach-le-haut, France.  
Developed PGLX, small Enterprise Resource Planning 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.
- 2016 - 2017** [RCCF](#), Clermont-Ferrand, France.  
Developed in pairs an administration website of Raspberries' fleet along with the Raspberries' client-side program.
- 2017** [FUKO](#), Karlsruhe, Germany.  
Developed Fuko, a free and open-source audio and video converter using ffmpeg library.
- 2015** [ISIMA](#), Clermont-Ferrand, France.  
Developed in pairs a CCTV security system with a Raspberry Pi and OpenCV aiming to provide security enhancement for the ISIMA's *Bureau Des Etudiants* (Student Body Council).

## </> Computer Skills and Language

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French: Native speaker.  
 English: Advanced, TOEIC (2017) score of 930/990.  
 German: Advanced (B2 / C1).  
 Spanish: Basic.

Very good knowledge in **GNU/Linux** operating system especially Debian based distributions (including Ubuntu-like OS), ArchLinux, CentOS GNU/Linux distributions along with good knowledge in Windows and **Windows Server**.

Programming languages	Tools & Software	IDE
<b>Java, C/C++, Python, C#, Html, Bash and Unix Shells, CSS, JavaScript &amp; WebGL, SQL (MySQL &amp; SQLite), Django, PHP, UML, AJAX, Rust</b>	<b>Git</b> (Github, Gitlab), <b>Nginx</b> , Apache, <b>Qt</b> graphical library, Docker, <b>LaTeX, Blender, GIMP</b> , WordPress CMS	Eclipse, PyCharm, Webstorm, Clion, PhpStorm, Geany, VisualStudio

## Interests and Activities

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

In charge of the communication of Linux Arverne an organisation promoting Open source software in Auvergne (France province).

ASTEP Science correspondent. The [ASTEP](#) (*Accompagnement en Science et Technologie à l'École Primaire*) school program offers students the ability to give scientific lessons to children in primary school. Last year subject's heading I taught was "Create a self-propelled vehicle". The children learnt how to build a moving vehicle without electrical component.

## References

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Available upon request.