

Alexis Brouste

Contact

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Languages

German moderate
English fluent, TOEIC (975)
French mother tongue

Infos

Third year student at ENSIIE
(National School of
Computer Science for
Industry and Business),
following in parallel a
master's degree in IT
security.

European driving license

Education

- Since 2018 **Master's degree in IT sec. and crypto.** M2 SeCReTS UFR des Sciences, Versailles (FR)
Since 2016 **IT engineering school** Third year ENSIIE, Évry (FR)
2014–2016 **Two-year preparatory classes to national competitive entrance exams** Maths, Physics
Blaise Pascal High-School, Orsay (FR)
2014 **A-Level, science stream** With honours Blaise Pascal High-School, Orsay (FR)

Professional Experiences

- 2018 **Mercateo AG** 12-week internship
API versioning and documentation automation
Develop a library to automate the generation and the versioning of documentations following the OpenAPI specification from a Java API project using the Spring framework.
- 2017 **TeraTonics** 10-week internship
Development of a software to compute trajectories of a robotic arm for an optical analysis
Find a method to solve the mathematical problems and implement it in Python. Work with the object's CAD files, extract the analyzed surface, apply the laws of refraction, compute the trajectory, and finally implement it in the arm's programming language.

Personal Projects

- 2017 **Development of a webradio client using Shoutcast**
An IRC chatbot that uses text-to-speech synthesis to read chat messages and then sends them to the Shoutcast server.
- 2016 **Creation of a soundboard**
Program written in the C language that plays sounds when a key is pressed, using the Linux kernel event API and some audio libraries.
- 2015 **Creation of an IRC server written in C**
Implementation of the standards and addition of login and moderation functions
Development of chatbots
- Since 2014 **Wireless routers hacking**
Installation of custom firmwares and hardware modifications
Configuration, Pentest, Debugging
- Since 2011 **Server administration**
Setting up web, mailing, FTP and VPN servers
Automation of maintenance tasks and web development

Skills

Programming languages C, Python, Java, PHP, C++, Bash, SQL, x86 assembly, \LaTeX
Advanced usage of GNU/Linux systems Debian, Void, Arch
Embedded Wireless routers, OpenWRT, AVR microcontrollers, Arduino
Electronics

Interests

Digital Programming, Pentest, Electronics, Video editing
DIY Computer hardware, Tall-bikes building, Miscellaneous appliances fixing
Sports Climbing, Cycling