

Korantin Auguste

Software Engineer

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I am an autodidact, driven by passion. From processors architecture and exploitation of buffer overflows, to innovative applications of blockchains and new P2P networks, **natural language processing techniques**, databases, **penetration testing**, and system administration, I have a pretty wide knowledge area.

Work experience

- 2017 - 2018 **Software Engineer (Threat Analysis Group)**, *Google*, Mountain View, USA.
Design of tools used by my team to fight against targeted attacks of Google and its users.
- 2015 - 2017 **Software Engineer (YouTube i18n)**, *Google*, Zurich, Switzerland.
Development of the system for community-contributed subtitles of YouTube.
- Apr-Sep 2015 **Final-year internship**, *Kodex-Lab*, Toulouse, France.
Natural language processing. Made a text analysis engine (language model). Research : interest for keyphrase extraction.
- Jun-Dec 2014 **Security Researcher**, *Infobyte Security Research*, Buenos Aires, Argentina.
Computer security. Pentesting of networks and web applications. Research.
- January 2014 **Technical design of a work of art**, « *Offroad* », work by *Céleste Boursier-Mougenot*, Musée des Abattoirs, Toulouse, France.
Piece consisting of three motor-driven grand pianos. Computer vision and motion planning algorithms.

Education

- 2012 - 2015 **INP-ENSEEIH**T – a top ranking French engineering school, *National Institute of Engineering in Electro-technology, Electronics, Computer Science, Hydraulics and Telecommunications*, Toulouse, France.
French diploma equivalent to Master's Degree in Engineering.
Department of Computer Science.
- 2010 - 2012 **"Classe préparatoire"**, *Lycée Chateaubriand*, Rennes, France, two-year intensive undergraduate course for competitive entrance to French Engineering Schools.
Courses included Mathematics, Physics and Computer Science.

IT Skills

Programming C, C++, **Python**, Java, Caml
Web dev. **Django**, HTML5, CSS, Javascript

Databases **PostgreSQL**, MySQL, Neo4j
Misc. **L^AT_EX**, Vim, zsh, metasploit, gdb

Languages

French Mother tongue
English Fluent : 1+ year in California

Spanish Advanced : 6 months in Argentina
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Personal interests

Computer science Successful achievement of numerous projects (**open source**), both driven by passion and paid.

- Full-text search engine (inverted index) using C++, for a news monitoring project.
- Website focused on website security (PHP) : tutorials, challenges... www.securite-info.org
- Various experiments like evolutionary algorithms, automatic authorship recognition (stylometry)...
- Finalist of a French computer science contest, Prologin. Ranked 5th, 7th and 5th out of a hundred finalists. Participated in CTF security competitions.

Associations

- Was secretary and active member of net7, the computer science club of ENSEEIHT.
- Was treasurer of 7robot, robotics club. « *Freescale cup* » : race of automatic model cars.

Hobbies

- Paragliding
- Wall-climbing (bouldering)
- Roller skating : participation in the "24H du Mans roller", a French event gathering roller skating fans from around the world.