DORIAN BACHELOT

Student

- 🚗 Driver's license
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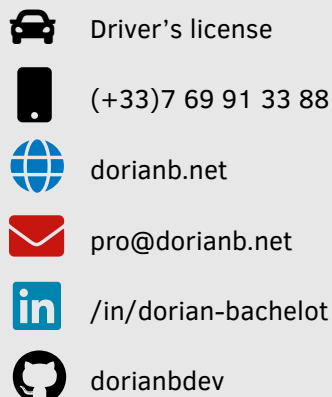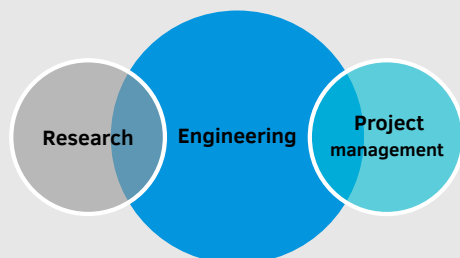- 🌐 dorianb.net
- ✉ pro@dorianb.net
- in /in/dorian-bachelot
- ⬤ dorianbdev

Skills ——

Overview

Details

- **Software**

  Visual studio, Android studio, Wamp, Vim, UE4, Unity, Jetbrains solutions.

- **Programming languages**

  C++, C, Java, Python, Bash, CMake, LaTeX, PHP, Javascript, HTML, SQL, CSS, R, Perl.

- **Other**

  Deep learning, OpenGL, Software reverse engineering, Hardware reverse engineering, Git, MariaDB/MySQL, Windows, Linux, Android, Docker, CI/CD pipeline, Django, NodeJS.

Languages

Spanish : Limited working proficiency

A2

English : Full professional proficiency

TOEIC : 905

Availability ——

April 2021 - July 2021

I am a hardworking and ambitious individual with a great passion for cybersecurity research. I am currently studying digital sciences in an engineering school in France and I am also working on the research subject of hardware reverse engineering. I love learning new skills and sharing my knowledge with others.

🎓 Education

Engineering Degree
📅 *2017 - now*
<div align="right">ESIEA, Laval, France</div>

Currently an engineering student at ESIEA, Graduate Engineering School in Digital Sciences and Technologies. I'm focusing my university curriculum on cybersecurity but I also work on neural networks (Creation of TigiNet : a C ++ library for creating neural networks without dependency).

Baccalaureate
📅 *2013 - 2017*
<div align="right">Réaumur, Laval, France</div>

Baccalaureate in scientific series with engineering sciences specialty and I.S.N. (Computer science and digital) option. With honors.

💼 Experience

In charge person in a gas station
📅 *July 2018 - August 2018*
<div align="right">Total</div>

Summer work in a Total gas station (managerial position).

📄 Research

Research projects
📅 *2019 - now*
<div align="right">Laval, France</div>

Research works in collaboration with a French researcher and a Russian laboratory on different subjects such as hardware reverse engineering, cryptography or template matching algorithms. Fork of Degate : software for reverse engineering of silicon chips in C++, and porting it for allowing multiplatform use.

Research projects - Laboratory (C + V)°
📅 *October 2018 - June 2019*
<div align="right">ESIEA, Laval, France</div>

Worked on hardware reverse engineering and cryptography at the Laboratory of Cryptology and Operational Virology (C + V)°.

📰 Publications

🔖 *"Rétro-ingénierie matérielle : accéder au silicium – État de l'art des méthodes de décapsulations et de déstratifications de puce de silicium", Hackable 31, pp. 98-107, 2019*

🔖 *"Rétro-ingénierie matérielle : comprendre le silicium – État de l'art des méthodes d'analyses de puce de silicium", Hackable 31, pp. 108-114, 2019*

🔖 *"Le coût de la rétro-ingénierie du silicium – Matériel nécessaire et risques associés", Hackable 32, pp. 106-115, 2019*

🔖 *"Se protéger de la rétro-ingénierie matérielle – État de l'art des méthodes de protection existantes", Hackable 33, pp. 68-83, 2020*

📷 Hobbies

- ❯ Programming
- ❯ Research
- ❯ Rugby
- ❯ Travel
- ❯ Electronic
- ❯ Astronomy