

# Alexandre Froehlich

Engineer Assistant

6 rue Bouet 29200 Brest

+33 06.04.45.69.58

<https://nightlyside.github.io/>

[alexandre.froehlich@ensta-bretagne.org](mailto:alexandre.froehlich@ensta-bretagne.org)

<https://www.linkedin.com/in/alexandre-f-1102298a/>

## SCHOOLING

2018 - Now	<b>Engineer student</b> ENSTA Bretagne, Brest <i>Data processing, mechanics, resistance of materials, Social Sciences, Software development, DB management</i>
2018 Oct - Dec	<b>School of application at the Naval School</b> Lanvéoc <i>Leadership, navigation and nautical skills</i>
2018 September	<b>Initial officer training in military camp</b> La Courtine <i>Leadership, personal development, cohesion state of mind</i>
2017	<b>Certificate of Elementary Military Aptitude</b> 3 <sup>ème</sup> RHC Etain <i>Team management, management, stress resistance</i>
2016	<b>Formation Initiale du Militaire de Réserve</b> 1 <sup>er</sup> RHC Phalsbourg <i>Personal development, cohesion state of mind</i>
2015 - 2018	<b>Preparatory classes for Engineering school entry exam</b> Lycée Couffignal (2 years) and Lycée Kléber (1 year) Strasbourg <i>Theoretical Mathematics, Fundamental and Applied Physics, Industrial Engineering Sciences</i>
2015	<b>Scientific A-level with high honours</b> Lycée Jean Sturm à Strasbourg
2014	<b>Rally of Mathematics</b> 2 <sup>nd</sup> in Alsace Strasbourg

## WORK EXPERIENCES

Jan - Feb 2020	<b>Operator training</b> Cybersecurity, threat detection (Apparmor, Suricata), reverse engineering DGA MI, Rennes
2018-2019	<b>Officer in the French Navy</b> Navigation speciality, language courses and sport, Head of info-crisis, communication and Public relations Brest Naval Base
2017	<b>End-of-study project: Fluidification of road traffic by creating detours</b> Lycée Kléber Strasbourg
2016-2018	<b>Military in operational reserve</b> Trinomial leader 1er RHC Phalsbourg
2016-2017	<b>Tutor</b> Courses given to middle and high school students Strasbourg agglomeration
2016	<b>End of study project: Electricity production by Membrane Tidal Turbine</b> Lycée Couffignal, Strasbourg
2014-2015	<b>Agricultural helper / work in the fields</b> Tobacco Harvest "Fischer" farm in Lingolsheim
2008-2015	<b>Webmaster</b> Maintenance of the website of the humanitarian association "Sinigna Signi"

## LANGUAGE SKILLS

- **English** : fluent  
*3 linguistic travels in London and 1 in New York City*
- **German** : upper intermediate in writing and speaking  
*1 linguistic travel in Gengenbach*
- **Spanish** : intermediate in writing and speaking
- **French** : Mother tongue

## COMPUTER SCIENCE SKILLS

- Design and maintenance of website, management portal (Management System for Grand Est Automobile), design and maintenance of a database, mobile applications for android (Java/Dart)
- Root-me (score: 1850, pseudo: nightlyside), CTF (1st place at Break the code 2019 organised by Sopra-Steria), FWORD19, PoseidonCTF 20, DEFCON Red Village 2020 (24th place), European Cyber Week 20
- **Mastered programming languages** : C/C#/Java/Python/PHP/SQL(MySQL/H2)/HTML/CSS/Javascript/NodeJS/Haxe/Basic, Android (Java and Dart)

## INTERESTS

- **Music** : piano studied for 8 years
- **Computer science** : PenTesting / Reverse / programming / cybersecurity (founder of the ENSTA Bretagne cyber club)
- **Sport** : Hammer throwing, skateboard, archery

## HOBBIES

- **Rugby** : 3 years in CRIG (Strasbourg), Rugby at the ENSTA
- **Archery** : at archers d'iroise in Brest
- **Sport sailing** : Regatta with the French Army in 2017, Sailing Sports Team of the Naval School in 2018
- **Development** of web / mobile applications and arcade games