

# Augustin Godinot

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## Career Objective

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Seeking a six months research internship in Machine Learning and its applications

## Education

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### Ecole Normale Supérieure (ENS) Paris-Saclay

*Gif-sur-Yvette, France*

RESEARCH YEAR IN ARTIFICIAL INTELLIGENCE

*Sep. 2020 - Exp. Jun. 2021*

- Equivalent to a gap year dedicated to acquiring experience and knowledge in a lab working on Machine Learning
- Relevant coursework: **Convex optimization and applications in machine learning**, Foundations of Distributed and Large Scale Computing Optimization, Computational Optimal Transport
- **Research project: Analysis of the diversity of the recommendations issued by recommender systems on online music platforms**

M1 EEA VOIE ANDRÉ AMPÈRE, AI TRACK

*Sep. 2019 - Jun. 2020*

- Equivalent to a master's degree in Electrical engineering, electronics and Control with an artificial intelligence mention
- Relevant coursework: **Advanced signal and image processing**, Information Theory, Channel Coding, C programming for embedded systems, Non-linear system control
- AI track: extra courses about the mathematical theory of artificial intelligence and projects to apply these concepts to signals and graphs
- Research project: modelling and simulations of mobile networks

FORMATION SAPHIRE EEA

*Sep. 2018 - Jun. 2019*

- Equivalent to a multidisciplinary bachelor's degree in Electrical engineering, electronics and Control with courses from the Civil and Mechanical Engineering departments
- Relevant coursework: electronics, Programming, Linear system control, quantum mechanics, continuum mechanics, Signal processing, Numerical Methods
- Research project: Designed and built an "Urban Orchestra". It consisted in a child's seesaw that created music according to their movements
- Research project: optimization of the mass of a transformer

### Lycée Pasteur, Lycée Hoche

*Versailles, France*

CLASSE PRÉPARATOIRE AUX GRANDES ÉCOLES PCSI-PSI\*

*Sep. 2016 - Jun. 2018*

- An intensive two-year class preparing for entrance examinations to the French Grandes Ecoles
- Research project: designed and build a "autonomous basket". Consisted in a basket on rails, capable of catching a ball thrown at it thanks to a camera detecting the ball's trajectory

### Institution Saint Dominique

*Neuilly-Sur-Seine, France*

BACCALAUREAT SCIENTIFIQUE S-SVT OPTION MATHÉMATIQUES

*2016*

- Equivalent to A-levels, with honours

## Work Experience

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### eLichens

*Grenoble, France*

SIGNAL PROCESSING INTERN

*May 2020 - Aug. 2020*

- Conducted studies to improve performance of gas concentration measures with Non Dispersive InfraRed sensors
- Notions encountered: Optimal amplitude estimators, Noise whitenings, Joint source-receiver optimisation

## Lycée Louis Pasteur

Neuilly-sur-Seine, France

COLLEUR (ORAL EXAMINER) IN MATHEMATICS

Sep. 2017 - Present

- Assessing students and writing reports to their professor
- Supporting students having difficulties
- Creating original exercises to test their capacities when dealing with uncommon situations

## FFE: Fédération Française d'Escrime (French fencing federation)

Ile de France, France

FENCING REFEREE

2012 - 2017

- Referring matches from district level to national events, including handisport (fencing in a wheelchair for disabled people)
- Learnt to arbitrate fairly in the stressful situations that are national competitions

## Extracurricular Activities

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### La Menuiz' (ENS wood-working club)

Cachan, France

VICE-PRESIDENT

Mar. 2019 - May 2020

- Reorganized the club and planned its move to the future buildings of the ENS
- Offering various activities to student willing to learn about woodworking

### Les [ENS]crimeurs de K-Chan (ENS Fencing Club)

Cachan, France

PRESIDENT

Sep. 2019 - Sep. 2020

- Scheduling students' participation in competitions

## Languages

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## Computer skills

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- **French** Mother tongue
  - **English** Very good command (Cambridge Advanced Exam Certification Level C2)
  - **German** Basic knowledge (European Level B2)
- Windows, Linux, Office Suite,  $\text{\LaTeX}$ , Adobe photoshop and illustrator, SQL, MySQL, Javascript, JQuery, Python, Numpy, Django, html, css

## Interests

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**Fencing:** Have been practicing for 15 years and participated in national competitions

**Biketouring:** Travelling to remote areas by bike, unassisted

## References

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### Pr. Thomas Rodet

EEA department's director  
thomas.rodet@ens-paris-saclay.fr

### Mr. Robert Thai

Mathematics teacher at Lycée Louis Pasteur  
thai@phare.normalesup.org

Other references available upon request