Augustin Godinot

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Career Objective

Seeking a six months research internship in the field of Machine Learning applied to networks.

Education

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, Graphs in machine learning
- 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' 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, caplable 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

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
COLLEUR (ORAL EXAMINER) IN MATHEMATICS
- Assessing students and writing reports to their professor
- Supporting students having difficulties
- Creating original exercises to test their capacities when dealing with uncommon situations

Neuilly-sur-Seine, France
Sep. 2017 - Present

FFE: Fédération Française d'Escrime (French fencing federation)
FENCING REFEREE
- Refering 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

Ile de France, France
2012 - 2017

Extracurricular Activities

La Menuiz' (ENS wood-working club)
VICE-PRESIDENT
- Reorganized the club and planned its move to the future buildings of the ENS
- Offering various activities to student willing to learn about woodworking

Cachan, France
Mar. 2019 - Present

Les [ENS]crimeurs de K-Chan (ENS Fencing Club)
PRESIDENT
- Scheduling students' participation in competitions

Cachan, France
Sep. 2019 - Present

Languages

- **French** Mother tongue
- **English** Very good command (Cambridge Advanced Exam Certification Level C2)
- **German** Basic knowledge (European Level B2)

Computer skills

Windows, Linux, Office Suite, LaTeX, Adobe photoshop and illustrator, SQL, MySQL, Javascript, JQuery, Python, Numpy, Django, html, css

Interests

Fencing: Have been practicing for 14 years and participated in national competitions
Biketouring: Travelling to remote areas by bike, unassisted

References

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