Augustin Godinot

ENS Paris-Saclay | IA Track

Sensitive to the bias, fairness and diversity issues of algorithms, I want to pursue a PhD, exploring the fields in relation to digital communications, recommender systems and applied mathematics.

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SKILLS

- Team work
- Creative thinking & autonomy
- Software engineering (Python, Rust, go, git, C/C++)
- Mathematics modeling

HOBBIES

- Fencing
- Biketouring

LANGUAGES

French	**mother tongue**
English	**E.U. level C2**
German	**E.U. Level B1**

CERTIFICATIONS

Cambridge Advanced Exam - Level C2

Cambridge Assessment English

WORK EXPERIENCE

Nokia Bell Labs

Research Intern — (February 2021 - now)

Multi Agent Path Finding (MAPF) under uncertainties. Developing a stochastic model of the problem and algorithms to solve it.

ISP - ENS Paris-Saclay

Research intern — (September 2020 - February 2021)

Analysis of the diversity of music recommender systems via random walk on Heterogeneous Information Networks. *Extended Abstract accepted to Complex Networks and their Applications 2021, journal paper in preparation.*

Elichens

Signal processing intern — (May 2020 - August 2020)

Conducted studies to improve performance of gas concentration measures with Non Dispersive InfraRed (NDIR) sensors. *Optimal amplitude estimators*; *Noise whitening*; *Joint source-receiver optimisation*

Lycée Pasteur

Colleur (Oral Examiner) — (September 2018 - Now)

Creating original exercises to test students' abilities when dealing with uncommon problems. Supporting students having difficulties.

EDUCATION

Ecole Normale Supérieure Paris-Saclay

Electrical Engineering and Computer Science — (September 2018 - now)

M2 AWCS/SAR: Advanced signal processing, Information Theory, Reinforcement learning,, Stochastic geometry, Random matrix theory
MVA: Convex optimization, Optimal Transport
M1 EEA: Signal processing, Introduction to Information Theory, Channel Coding, Non-linear system control, Foundations of Artificial Intelligence
Année SAPHIRE: *Equivalent to a bachelor degree.* Continuum mechanics, Electronics, Linear control, Fourier Analysis

REFERENCES

Pr. Thomas Rodet
Head of EEA Department
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Dr. Pierre Jallon
Elichens CTO
pierre.jallon@elichens.com

EXTRACURRICULAR ACTIVITIES

Menuiz'
Rebuilt the ENS' woodworking club after three years in oblivion

Open source contribution
Contributing to HALs (STM32, NRF52) in rust