EVAN DUFRAISSE

PROFILE

I'm a master's engineering student specialised in Decision Support Systems. This includes an expertise in Operations Research and Statistics. I'm willing to employ my knowledge to solve new challenging problems. I'm curious, hardworking, and I can adapt myself easily to new working practices.

LANGUAGES

FRENCH : MOTHER TONGUE

ENGLISH : BILINGUAL

SPANISH : FLUENT

RUSSIAN: BASIC KNOWLEDGE

PROFESSIONAL SKILLS

JAVA	Advanced
PYTHON	Advanced
SQL	Intermediate
HTML	Intermediate
CSS	Intermediate
JAVASCRIPT	Beginner
MATLAB	Beginner
LINEAR PROGRAMMING	Intermediate
R	Beginner
VBA	Intermediate
MS Office	Intermediate

CONTACT

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EDUCATION

IMT-ATLANTIQUE - NANTES

2017 - 2019

- Data Analysis & Statistics
- Linear Constraint problem Solving
- Data Analysis
- Approximation algorithms
- Data Structure Management
- Graph Theory

UNDERGRADUATE STUDIES

2015 - 2017

Intensive preparation in Math and Physics for the competitive entrance exams to top French engineering schools.

EXPERIENCE

INTERNSHIP

IKKS Group – St-Macaire-en-Mauges – 3 weeks

Automation of repetitive tasks in the sales department

•Worked within a team of four
•Alleviated their workload by 8 hours per week

Saunier Duval – Nantes / 2018 - 1 month

Assembled boilers on an assembly line as an operator.

- Coordinated with the other members of the team.
- Interviewed executives on their duties and on the functioning of the factory.

PROJECTS

IMT-ATLANTIQUE – Nantes / 2017 - 2019

Realised a "path follower robot" for a competition against 40 teams

- Scheduled and delegated tasks among a 5 members team.
- Designed and assembled the robot.
- Managed to reach semi-final.

Built a simple 3D imaging device from a camera and a projector within a team of five.

- Unified coding habits for efficient code gathering.
- Whole project developed using Matlab.

Developed a heuristic program in Java for solving TSP

- Studied papers on the latest improvements in the field.
- Wrote a Lin-Kernighan based algorithm.
- Managed to give good results (no more than 3% away of the optimal length, with up to 750 cities and processing time of less than a minute).

Analysis of OCDE waste online data

- Pre-processed and analysed data using R
- Managed to retrieve information on demography and policies