Hector Bouvier

Passionate about computer science and science in general, motivated by application of operational research and novel algorithms. Chose student jobs to get practical experience about implications of operational research (or lack of). Strong interest in languages and compilers.
Knowledge thirsty and curious.
Teamwork player, crisp and to the point communicator.

Education

2019-2020 **M.Sc. 2 in operational research and combinatorial optimization**, *Université Grenoble Alpes*, Grenoble, Curriculum shared with ENSIMAG.
In particular, studied interesting techniques related to the sequential ordering variant for the travelling salesman problem. Used Markov chains to solve 2048 game.

2018-2019 **M.Sc. 1 in computer science**, *Université Grenoble Alpes*, Grenoble.
Wrote MinCamel back-end compiler (AST to assembly).

2016-2018 **Engineering school in electronics and computer science**, *École Polytechnique de l'Université Grenoble Alpes*, Grenoble, Developed a parallel multi-protocol server.
Decided to switch for a pure computer science curriculum after 2 years.

2014-2016 **Preparatory class for French "Grandes Écoles" (PT*)** , *Lycée Vaucanson*, Grenoble.
Specialized in physics and mechanical engineering.

2011-2014 **Baccalaureate S (Senior high school majoring in science)**, *Lycée Grésivaudan*, Meylan.

Work Experience

2020 **Delivery man**, *Ecolotrans for Amazon*, Grenoble, realized importance of optimization in delivery industry.
3 months

2020 **Trainee**, *G-SCOP laboratory*, Grenoble, searched for a proof of Erdös-Faber-Lovász conjecture.
5 months

2019 **Trainee**, *TIMC laboratory*, Grenoble, built a biochemical simulator (in C++) to model autopoiesis.
4 months

2018 **Mechanical-fitter**, *Teltec*, Crolles, installed ceiling tracks for robots in clean rooms.
4 months

2017 **Warehouse-man**, *Intermarché*, Domène, realized importance of optimization and of having current data in shelf placement.
3 months

Languages

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Hector Bouvier *1/2*

Human languages:

English	**B2 European level**, *fluent.*
French	**C2 European level**, *native.*
German	**A2 European level**, *basic.*

Programming languages:

C	**Fluent**.
Python	**Fluent**.
C++	**One large project**.
Julia	**Basic**.
Java	**Basic**.

Motivated to learn Typescript and Haskell

Hobbies

Sports	**Mountaineering**, *Alpinism, Hiking, Rock climbing, Ski, Ski touring.*
Culture	**Franco-Belgian comic strips**, *Hergé, Manu Larcenet, Peyo.*

Miscellaneous

Driving	**French B license**, *can drive cars and light delivery vehicles.*
Music	**Piano**.

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