

∇Excelsior

ANTHONY BIEL

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Machine Learning Engineer

ABOUT ME

Young man of 24 years old, passionate about intelligence in its entirety. I love to learn, understand and evolve. My mantra is ∇Excelsior (which means "ever upward"), the nabla symbol is a reminder of the calculus gradient that supports the importance of working smart, and Excelsior supports the importance of consistency and discipline.

PROGRAMMING LANGUAGES

Python, C++, R, Java,
Javascript.

Tools

Git, Linux, Jupyter
Notebook, VSCode, AWS,
Linode.

DATA SCIENCE FRAMEWORK/LIBRARIES

Anaconda, NumPy, Pandas,
Matplotlib, SciPy, PyTorch,
spaCy, Flask.

LANGUAGES

FRENCH - C2
ENGLISH - C1 → C2

OTHER PERSONALS INTERESTS

Problem-solving,
neuroscience, psychology,
philosophy, history of
science.

EDUCATION

Montpellier
2019-2022

Machine Learning Engineer

2019-2020 **Software Engineering**

BeWeb - Software Designer and Developer.
(Java, Spring, Angular, HTML, CSS, SQL)
MIT – 6.00 Introduction to Computer
Science and Programming.
Brilliant.org – Computer Science Fundamentals,
Algorithms, Data Structures.

2019-2021 **Mathematics**

Calculus

Brilliant.org – Calculus I, Calculus II, Calculus III.
MIT – 18.02 Multivariable Calculus.

Linear Algebra

Brilliant.org – Introduction to Linear Algebra,
Linear Algebra with Applications.
MathTheBeautiful – Linear Algebra
[Part 1,2,3 and 4].

Statistics and Probability

Brilliant.org – Applied Probability, Random
Variables & Distributions, Statistics
Fundamentals, Statistics I.
Harvard University – Statistics 110.

2021-2022 **Data Science / Artificial Intelligence**

Data Science

Johns Hopkins University – Data Science
Specialization.

Machine Learning

Stanford – Machine Learning CS229.

Deep Learning

d2l.ai - DIVE INTO DEEP LEARNING.
Stanford - CS231n: Convolutional Neural Networks
for Visual Recognition

NLP

Word2vec (Skip-Gram, CBOW) , Negative Sampling,
Hierarchical Softmax, GloVe, fastText, BERT, CLIP.

IN PROGRESS

PROJECT CONTRIBUTOR

d2l.ai - DIVE INTO DEEP LEARNING
<https://github.com/d2l-ai/d2l-en>

SWE PROJECTS

(2020) **Design, development and implementation of a cash register software** and printing management (personalized receipt), for the restaurant Nuances (34).

(2022) **Named Entity Recognition**
<http://7excelsior.pythonanywhere.com/>

www.anthonybiel.ai/projects

IN PROGRESS