Théo Fuhrmann

contact

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languages

Spanish (native)
French (native)
Catalan (native)
English (C1, fluent)

programming languages

Python, C, C++, Java,
JavaScript, R,
Bash/Zsh

ML tools

Sklearn, Tensorflow,
Pandas, NLP
(Word2Vec, Doc2Vec,
TF-IDF), Neural
Networks
(Convolutional layers)

cloud based technologies

AWS, Docker, Firebase

tools

SVN/GIT, Source
Version Control, Visual
Studio, Vim, Latex,
Postman, Unix,
Photoshop, Asana,
Microsoft Suite,
Tinkercad

profile

I am a recent **Computer Science** graduate from the Polytechnic University of Catalonia (UPC) specializing in Artificial Intelligence and algorithms. I hope to work in the fields of **Machine Learning** and **Data Science**. Using the skills I have gained from my projects and coursework, I would like to extend my knowledge by designing and developing a variety of ML solutions. As a fast and passionate learner, I integrate well into team environments and enjoy working together to solve new and challenging problems.

education

| 2018–2022 | **Degree in Computer Science** | Polytechnic University of Catalonia (UPC) |
| | Specialization in Computation | |

| 2016–2018 | **Scientific-Technological Baccalaureate** | IES Vinyet, Sitges, Barcelona |
| | With honors | |

experience

Feb-July 2022 · **Full-Stack Developer** · Barcelona
Discoverfy - SaaS Company
- Designed and developed brand new front-end and back-end features following Agile and Scrum methodologies.
- Troubleshooted API data, UI, and UX inconsistencies using PostgreSQL, Node.js and React.
- Integrated Shopify installation methods to run the product on the Shopify platform.
- Implemented a new interface for the product's landing page.

Apr-Sep 2019 · **Waiter** · Sitges, Barcelona
Pic Nic Restaurant
- Managed multiple sections of the restaurant.
- Ensured customer satisfaction through a tailored and consistent service.
- Worked with a staff of 20+ members.

June-Dec 2018 · **3D Printing Instructor** · Sitges, Barcelona
Sitges PC
- Ran classes on how to use Tinkercad and Slic3r, a 3D modeling software program and a 3D slicing engine, respectively.
- Instructed students on the 3D printing process and techniques.
- Assembled the communal 3D printing machine.

Sep-Jun 2017-18 · **Certified LEGO Robotics Instructor** · St. Pere de Ribes, Barcelona
Temps de lleure
- Created and organized lesson plans on LEGO WeDo 1.0, LEGO WeDo 2.0, and Scratch.
- Taught 6 to 10 year old children how to build and program LEGO robots.
- Engaged students in solving environmental and technological issues through robotics.

web development
HTML5, CSS3,
Bootstrap

others
Node.js, React, REST
APIs, PostgreSQL,
ElasticSearch

licences
Driving licence (B)

interests
Music production,
reading, cinema, fitness

projects

| Feb-June 2022 | **Cybervulnerability Exploitability Classifier** | UPC |

Final Thesis
Trained various machine learning models with gathered CVE data to predict the potential exploitability of cybervulnerabilities

| June 2020 | **Portfolio Website** | |

Developed a custom Processing animation

| February 2019 | **Voice-Sex Recognition Classifier** | UPC |

Found patterns given various voice features to recognize the sex of the speaker using neural networks and other machine learning models

extracurricular courses

| February 2019 | **Introduction to Machine Learning** | UPC |

Learned how different ML models worked and applied them using Python and Tensorflow

| February 2018 | **Cybersecurity** | UPC |

Learned the main cybersecurity flaws, attack vectors, and how to avoid them