

# Nil Garcés de Marcilla Escubedo

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Personal website: [www.nilgarces.dev](http://www.nilgarces.dev)

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Interested in dynamic and challenging full stack development positions. Well versed in TypeScript, React, Next.js, Node.js and both SQL and no-SQL paradigms.

Also exploring Golang and "data-related" Python. Persistent problem-solver and fast learner with a solid mathematical and analytical background.

## ACADEMIC TRAINING

2019 – 2020 **M.Sc. "Math. et applications"**

THESIS AREA: TOPOLOGICAL DATA ANALYSIS (NEW CLUSTERING METHODS)  
*Université de Nantes (France)*

2018 – 2019 **M.Sc. in Secondary Teaching**

SPEC: MATHEMATICS  
*Common UB-UAB-UPC-UPF-UOC*

2015 – 2018 **B.Sc. Mathematics**

SPEC: PURE MATHEMATICS (G: 8.3)  
*University of Barcelona (UB)*

2014 – 2015 **B.Sc. Physics & Mathematics**

FIRST YEAR (G: 9.0)  
*Aut. University Barcelona (UAB)*

## LANGUAGES

CATALAN Native (*Certificat C2*)

SPANISH Native

ENGLISH Excellent (*CAE: Grade A, C2*)

FRENCH Very good

GERMAN Intermediate (*learning*)

## COMPUTER SKILLS

**Personal website:** [www.nilgarces.dev](http://www.nilgarces.dev)

**Github:** [github.com/xetaxe](https://github.com/xetaxe)

- *Essentials:* HTML, CSS, JavaScript, TypeScript, Git+GitHub

- *Frontend:* React, React Query, Zustand, Next.js, Tailwind, Sass, Figma

- *Backend:* Node.js, Express, Golang

- *DB:* SQL, MySQL, PostgreSQL, Prisma, MongoDB

- *Testing:* Jest, React Testing Library

- *Build/Deploy:* Vite, Docker, Github Actions

- *Other lang:* Python, C

## EXPERIENCE

OCTOBER 2021 – CURRENTLY  
SDP Spain, Valldoreix (Barcelona)

### Software consultant

- Contributed to the development of ERA, especially its new web version (ERA is a custom software tool that helps companies manage their Time & Attendance efficiently).

*Skills:* coordination between the consulting and programming teams, feature testing, getting customer feedback, setting development priorities.

- Led several new ERA implementation projects, on both the technical and consulting aspects, and assisted in many existing ones.

JANUARY 2021 – JUNE 2021  
SDG Group, Barcelona

### Data analyst

- Maintained and improved a big data ETL project (with Qlik/SQL) where weekly data reports and forecasts were generated based on previous sales data.

- Participated in a data analysis and visualization project where PowerBI was used to track product performance.

MARCH 2020 – JULY 2020  
Université de Nantes, Nantes

### Math internship

- Studied the theoretical foundations of Topological Data Analysis (TDA).

- Learned and practiced with the most important DS/ML concepts and Python libraries (Scikit-learn, Matplotlib, NumPy & SciPy, Pandas).

- Contributed to the development and documentation of a new clustering algorithm (ToMATo algorithm) for the open-source GUDHI library.

JULY 2018 – SEPTEMBER 2018  
VGG Aplicaciones, Barcelona

### Software engineer

- Headed a fixed-term project where we studied the viability of using drones in warehouses to do several tasks autonomously. It involved experimenting with various drone SDKs in Java.

## OTHER ACTIVITIES

- Three-times participant in HackUPC: finalist x2 and one winner prize: (Devpost: [xetaxe](https://xetaxe.devpost.com/))

- UB representative at the International Math Competition (IMC, Bulgaria) in 2016 & 2017.

- Since 2016, I work on my own musical solo project, in which I compose, play and record pieces for classical guitar (Spotify: Nil Garcés)