

# Nil Garcés de Marcilla

Address: Av. Riera de Cassoles 30, 08012 (Bcn)

Mobile: (+34) 649 37 26 89

Email: [xetaxe@gmail.com](mailto:xetaxe@gmail.com)

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

LinkedIn: [linkedin.com/nilgarces](https://www.linkedin.com/in/nilgarces)

I am interested in dynamic and challenging full stack web development positions. Well versed in TypeScript, React, Node.js and SQL databases. Beyond the JS-world, I have a solid Python foundation, for both web development and data-related purposes, and I am also exploring Golang. Persistent problem-solver and fast learner with a strong 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*
- 2014 – 2018 **B.Sc. Mathematics**  
SPEC: PURE MATHEMATICS (G: 8.3)  
*University of Barcelona (UB)*

## LANGUAGES

- CATALAN Native
- SPANISH Native
- ENGLISH Excellent (*CAE: Grade A, C2*)
- FRENCH Excellent
- GERMAN Intermediate (*learning*)

## COMPUTER SKILLS

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

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

- *Basics:* HTML, CSS, JavaScript, TypeScript, Git
- *Frontend:* React, Zustand, Next.js, TailwindCSS, Sass, Figma
- *Backend:* Node.js, Express, NestJS
- *Databases:* SQL, MySQL, PostgreSQL, Prisma
- *Testing:* Jest, React Testing Library
- *Build/Deploy:* Vite, Docker, Github Actions
- *Other lang:* Golang, Python

## EXPERIENCE

OCTOBER 2021 – CURRENTLY  
SDP Spain, Vallldoreix (Barcelona)

### Software consultant

- Contributed to the development of ERA (notably its web version), a custom software tool to help companies manage their Time & Attendance.
- 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 Data Science and Topological Data Analysis.
- 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.

SEPTEMBER 2018 – MAY 2019  
Joan Pelegrí High School, Barcelona

### Math teacher

- Taught at 1st Batx (16-17y) & 3rd ESO (14-15y).

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