

# Eric Navarro

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## EXPERIENCE

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### Snowflake

January 2024 – Present

*Software Engineering Intern*

*Berlin, Germany*

- Owning and bringing the XML Data Type towards General Availability
- Working on SQL Data Types in SnowflakeDB based in C++

### Datadog

June 2023 – December 2023

*Software Engineering Intern*

*Madrid, Spain*

- Contributed to Datadog's APM **Python** client library by implementing unittest and pytest-benchmark support
- Reduced tracer overhead of the Python tracer by up to 70% for over 1K users
- Implemented Intelligent Test Runner for unittest, streamlining CI pipelines for Datadog customers

### Accenture

February 2023 – June 2023

*Software Engineering Intern*

*Barcelona, Spain*

- Designed comprehensive end-to-end tests and over 90 unit tests for multiple internal **Python** libraries
- Increased code coverage by 95%, enhancing the reliability and stability of the codebase
- Led algorithm optimization initiatives, researching and implementing improvements that significantly boosted the efficiency of key libraries

## EDUCATION

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### Autonomous University of Barcelona

September 2020 – June 2024

*Bachelor of Engineering in Computer Engineering*

*Barcelona, Spain*

- **Grade:** 86%
- Provided mentoring support for incoming and new undergraduate students
- **Classes:** Software Engineering, Object Oriented Design, C, C++, Python, Networks, Data Structures, Databases, Operating Systems, Calculus, Algebra, Probability and Statistics

## TECHNICAL SKILLS

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**Languages:** Python, C++, SQL, JavaScript, HTML/CSS

**Frameworks:** Django, Flask, React, Bootstrap, Jekyll

**Developer Tools:** Git, Docker, SSH, Azure, AWS, Cloudflare, SonarQube, Jenkins, PyCharm, Postman, PowerBi

**Libraries:** NumPy, pandas, Matplotlib, Selenium, SQLite, pytest, SciPy

## PROJECTS

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**Meal Planner** | *Python, Flask, SQL, Docker*

*July 2022 – November 2022*

*Available at [ernl.dev/meal](https://ernl.dev/meal)*

- *Developed a full-stack responsive web application with Flask, serving both as front-end and back-end*
- *Designed an algorithm to process data from a dataset*
- *Implemented a stand-alone REST API using Flask*

**Game Price Alerts** | *Python, Selenium, SQLite*

*April 2022 – May 2022*

- *Programmed a Python module with Selenium which scraps pricing information from store pages*
- *Implemented a notification service to keep up to date with the latest pricing trends*

**Chess Game** | *C++, SDL*

*February 2022 – May 2022*

- *Designed a fully functional chess game on top of C++'s SDL library*
- *Implemented a replay system to store and view previous matches*

## LANGUAGES

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**English:** Full Professional Proficiency (C1 level – Cambridge Exams)

**Spanish:** Native Proficiency

**Catalan:** Native Proficiency

**Norwegian:** Elementary Proficiency