

# SASCHA CAUCHON

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## Education

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### ESILV

*Engineer's degree with a major in data and artificial intelligence*

**September 2020 – July 2025**

*Courbevoie, France*

### UniKL (Universiti Kuala Lumpur)

*Exchange program*

**September 2022 – February 2023**

*Kuala Lumpur, Malaysia*

## Experience

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### UNOWHY

*QA Tester internship*

**June 2022 – September 2022**

*Neuilly-sur-Seine, France*

- Increased software reliability and user satisfaction by performing non-regression tests with "Test quality" on 4 devices (Android and Windows), ensuring comprehensive test coverage and a seamless user experience.
- Streamlined testing processes by developing and executing well-defined test cases and test plans for the new major release, ensuring product stability and efficient delivery.
- Actively participating in an Agile environment, ensuring effective communication, task prioritization, and timely delivery of high-quality software.

## Projects

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### Analysis of property value | *Python, Jupyter Notebook*

**2023**

- Uncovered valuable insights by analyzing over 3 million French real estate transactions from 2022, leading to enhanced market understanding.
- Collaborated with teammates to develop 20 comparative data visualizations using Python and Jupyter Notebook, facilitating data-driven decision-making.

### KNN Project | *Python, Jupyter Notebook*

**2023**

- Achieved 98% classification accuracy by collaborating with a teammate to develop a Python-based model using the K-Nearest Neighbors (KNN) algorithm.
- Demonstrated proficiency in using Python for machine learning modeling.

### Web Application Development | *C#(ASP.NET), SQL(MySQL), CSS, XML, ERD*

**2023**

- Implemented a robust relational database, defining schema and creating tables, to efficiently store customer, product, order, and inventory data for seamless operations.
- Generated insightful statistics using SQL queries, leveraging joins, subqueries, and aggregations, to provide valuable insights on average bouquet price, top customers, and best-selling products.

## Skills

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**Programming Languages:** Python, SQL, C#, HTML/CSS, JavaScript

**Tools & Technologies:** Scikit-Learn, Numpy, Matplotlib, Seaborn, Pandas, ASP.NET, VS Code, Jupyter Notebook, MySQL, GitHub, Matlab

**Soft Skills:** Teamwork, Scrum, Problem-solving, Communication, Time management

## Extracurricular

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### The Tech Surf Podcast

**September 2023 - Present**

*Episode Lead/Editor-in-chief/Production Lead*

- Implemented project management strategies, facilitating seamless collaboration among team members and optimizing content planning and editing procedures for more than 10 guests.

### IMB Data Engineering Professional Certificate

**In Progress**

*Coursera Certificate*

- Learn to create, design, & manage relational databases & apply database administration (DBA) concepts to RDBMSs such as MySQL, PostgreSQL, & IBM Db2.
- Implement ETL & Data Pipelines with Bash, Airflow & Kafka; architect, populate, deploy Data Warehouses; create BI reports & interactive dashboards.
- Develop working knowledge of NoSQL & Big Data using MongoDB, Cassandra, Cloudfantasy, Hadoop, Apache Spark, Spark SQL, Spark ML, and Spark Streaming.