SASCHA CAUCHON

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Education

ESILV   September 2020 – July 2025
Engineer's degree with a major in data and artificial intelligence (GPA: 3.30/4.0)   *Courbevoie, France*

UniKL (Universiti Kuala Lumpur)   September 2022 – February 2023
Exchange program   *Kuala Lumpur, Malaysia*

Experience

UNOWHY   June 2022 – September 2022
QA Tester internship   *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.
- Collaborated with Product Owners, Developers, and Designers to successfully complete testing on a new major release, resolving software defects and ensuring a high-quality product for end-users.
- 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 Scrum environment, ensuring effective communication, task prioritization, and timely delivery of high-quality software.

Parkours   September 2021 – June 2022
Self-employed: Private tutor   *Paris, France*

- Provided personalized tutoring in English, math, physics, and science to high school and middle school students, resulting in improved grades and increased confidence.
- Customized tutoring sessions based on student requirements and deadlines, ensuring targeted support and timely task completion.

Projects

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.
- Enhanced comprehension of trends and patterns in the French real estate market through findings from the analysis project.

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.
- Developed an order management and e-commerce website for a floral shop chain, enabling seamless online transactions and enhancing customer experience.

Skills

Languages: Python, SQL, C#, HTML/CSS, JavaScript
Tools & Technologies: Numpy, MatplotLib, Pandas, ASP.NET, VS Code, Jupyter Notebook, MySQL, GitHub, Matlab
Soft skills: Teamwork, AGILE, Problem-solving, Communication, Time management

Extracurricular

The Tech Surf Podcast   **Present**
Episode Lead/Editor-in-chief/Production Lead

- Managed project timelines, collaborated with team members and oversaw content planning and editing.