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Java | Python | C++ | Spring | Django | Cloud(GCP, minio) | Typescript, Javascript | Angular, Vue | Apache Kafka | Opensearch | SGBD (PostgreSQL, MongoDB) | SQL, NoSQL, PL/SQL | PyTorch, Scikit-Learn | Kubernetes | Docker | Git | CI/CD (GitHub Actions, Flux) | French *native*, English *professional* (Cambridge Certification)

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## Education

Royal Institute of Technology ([KTH](#)), MSc Computer Science, Sweden August 2023 – January 2024  
Semester of specialisation with courses in:

- Scalable software development
- Machine Learning & Deep Learning: supervised/unsupervised/reinforcement learning

[INSA Lyon](#), MSc Computer Science, France September 2019 – June 2024  
Graduated in June 2024

- 2-year preparatory cycle in science (ranked in the top 5% of university)
- 3-year specialisation in computer science (average mark 14.8/20): programming, ML/IA, cybersecurity...

## Experience

Software Engineering Intern, Decathlon January 2024 - August 2024

- Developed modules enabling the retrieval of sales data or internal/external teams in charge of inventory, finance, and data analysis. Including scalability challenges: transitioning from 15% to 100% of e-commerce sales data through the modular software
- Ensured maintenance of retail infrastructures (DevOps) in compliance with SLI/SLO indicators set at 99.9%
- Refactored of the data sales compliance validation software, validating 2M sales per day

Software Engineering Intern - NLU expertise, Klee Group April 2023 - July 2023

- Engineered a metalanguage intention compiler capable to create graphical view of the code using Blockly
- Implemented chatbots utilizing NLU model for 4 government or European projects using different technologies
- Increased the NLU model's intention recognition score from 89% to 94% by reparametrizing Rasa

Software Developer Intern, Smile May 2022 - August 2022

- Designed the architecture of a new type of Document Management System (DMS) in cloud
- Developed the software applications using API Rest, Java (Spring), Vue, MongoDB database and Docker
- Deployed the DMS in 3 business customers infrastructure with an average turnover of €1 million, transferred their documents to the minio cloud service
- Implemented a dynamic, multi-level classification system based on document metadata

Mathematics and Programming tutor, INSA Lyon September 2020 – January 2024  
Tutored groups of 4 to 8 students in the preparatory science cycle.

## Leadership and Awards

[Presentation of a university exchange management project](#)

Working with 6 friends, we presented our application for managing university exchanges (Erasmus and double degrees) integrated into certain universities in Lyon, in front of 8 different companies. Project awarded of €300.

[Position of tutor/teacher in mathematics and programming](#)

Obtained the position of tutor/teacher in mathematics and programming at my university based on my ranking.

## Personal projects

Personal IT projects ([portfolio](#), [Strava application extension](#) (in progress), spreadsheet, mini-games) etc.

Itinerant cycling trip on EuroVelo 3, through 8 countries. 5400 kilometers in 1,5 months end of July/August 2023

Itinerant cycling trip through 4 different countries. 2400 kilometers in 20 days August 2021

Finisher of various marathons and trail runs