Mathis AUBERT

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Skills

Back End development: Java • Python • Node.js • .NET
Front End development: ReactJS • Angular • Py4Web • JavaScript • Bootstrap • HTML • CSS
Miscellaneous: Microservices • JWT • MongoDB • PostgreSQL • Google Cloud • GitLab • Confluence • Azure DevOps • Agile Methodology • Docker • Maven • Operational Research
Big Data: Talend • ETL • Hadoop • Power BI • Cloudera
Soft Skills: Team player • Autonomous • Deliver Results • Self-starter • Thorough • Motivated • Leadership

Work experience

UC Santa Cruz   **Santa Cruz, CA, USA**
Software Engineer Intern   *May 2024 – September 2024*

- **Developing a Python web application** to calculate and visualize birds' connectivity worldwide.
- **Deploying it on Google Cloud** for scalability and reliability.
- **Designing an efficient user experience (UX)** for over 80,000 scientists creating reports.
- **Contributing to environmental preservation efforts** by supporting government and non-governmental organizations.

Sopra Steria   **Lyon, FRANCE**
Software Engineer Co-op   *October 2022 – September 2025*

Project at Volvo Group:
- **Enhanced web applications** deployed in 1400 stores across 150 countries.
- **Created a Green IT process and report to Volvo management**, using a Chrome extension for analyzing 70+ applications.
- **Implemented a GitHub action pipeline**, resulting in a 6x increase in deployment speed.

Project at EDF (Electricity of France):
- **Improved the web application portal** built with Java Server Faces, impacting all French electricity production (4000+ producers).
- **Upgraded the compiler version** from Java 6 to Java 8
- **Migrated the front-end library** from RichFaces to PrimeFaces.

Sopra Steria   **Lyon, FRANCE**
Software Engineer Intern   *April 2022 – July 2022*

- **Designed and implemented a Java software from scratch** that converts PDF purchase orders into a common Excel format, resulting in a 12x increase in Sales Managers' task efficiency.
- **Automated tasks using VBA** to track employee planning and calculate monthly financial reports, leading to a 10x improvement in Project Managers' task speed.
- **Served as the youngest Software Engineer Intern** at Sopra Steria France (20,000 employees).

Intel Corp.   **Moirans, FRANCE**
Job shadowing   *December 2018*

- **Shadowed software engineers** to gain insights into their work processes.
- **Acquired knowledge of programming languages**, including C, Java, Python, and Go.

Education

CESI Graduate School of Engineering   **Lyon, FRANCE**
MS in Computer Sciences   *September 2025*
BS in Computer Sciences (GPA: 4.51/5) – Summa cum laude   *July 2022*

Awards

Hackathon AI Winner   **June 2023**
Created an innovate product to revolutionize the remote-control experience using TOF technology and AI.