



## Ronan Sangouard

☎ +33 7 82 44 71 88  
✉ [ronan.sangouard@gmail.com](mailto:ronan.sangouard@gmail.com)  
in [ronan-sangouard-516766193](https://www.linkedin.com/in/ronan-sangouard-516766193)  
🔗 [ronansgd.github.io/my-portfolio/](https://ronansgd.github.io/my-portfolio/)

### EDUCATION

---

2021 – 2023 **Master of Science Informatics**  
*Technical University of Munich, Germany*  
Specialized in **machine learning** and **robotics**.

2018 – 2022 **Engineering Degree**  
*École Polytechnique, France*  
Specialized in **applied mathematics**.

2016 – 2018 **Classe Préparatoire**  
*Collège Stanislas, France*  
Specialized in **mathematics** and **physics**.

### WORK EXPERIENCE

---

April 2023 – October 2023 **Research Assistant**  
*Neuromorphic Computing Group, fortiss*  
Developed a **robotic demonstrator** for **spiking neural networks** and **event-based cameras**. Contributed to the development of **Intel's Lava Python Library**.

October 2022 – March 2023 **Data Science Intern**  
*Battery Cell Competence Center, BMW AG*  
Designed a deep learning-based program classifying **battery cells' faults**. The network was implemented in **TensorFlow** and trained on a GPU cluster. Implemented a data processing pipeline using **AWS Lambda**.

March 2021 – September 2022 **Research Assistant**  
*ReHyb – Chair of Information-Oriented Control, TU Munich*  
Designed a **bio-mechanical simulation** of a medical exoskeleton using **MuJoCo**. A statistical **sensitivity analysis** was published in **Frontiers in Neurorobotics**.

June 2020 – September 2020 **Web Development Intern**  
*Polyconseil*  
Took part in the development of **Coviflex**, a B2B app easing flex-office, as full-stack developer. The tech stack was based on **React.js**, **Node.js** and **GraphQL**. Worked in a dynamic team based on **agile work style**.

### SKILLS

---

Languages **French** – Mother tongue, **English** – Fluent, **German** – Professional

Programming languages **Python** – Numpy, PyTorch, scikit-learn, TensorFlow, **C++** – CMake, MuJoCo, **C#** – Unity, **JavaScript** – Node.js, React, **SQL** – PostgreSQL

Operating systems and development tools **Git**, **Linux** – Bash, **AWS** – Lambda, S3, **Azure** – Databricks, **Docker** – Kubernetes, **Windows** – PowerShell