Théomé Borck

+33 6 71 29 17 46
theome.borck@student.ecp.fr

Date of birth | **February 13, 1996**
Nationality | **French**

4 rue Bertrand, 76000 Rouen, France | Permanent address

Dual degree | **M. Engineering @ École Centrale Paris – MSc Mathematics in Data Science @ TUM**

Professional experience

Research Engineer, MSc Thesis Intern | InstaDeep, AI consulting company – €15M rev.
March 2021 – now
Paris, France
- Supporting *BioNTech*'s cancer vaccine development with NLP approaches on proteins
- Implementing a framework on top of TensorFlow to help biostatisticians train ML models

ML Engineer, Working Student | Parkdepot, German startup digitalizing parking lots – €1.8M rev.
June 2020 – Feb. 2021
Munich, Germany
- Designed an embedded automatic license plate recognition pipeline, to monitor traffic in parking lots
- Researched deep learning applications, from vehicle detection to optical character recognition

Software Engineer, Intern | HelloFresh SE, global meal-kit delivery company – €1.3B rev.
Jan. 2019 – Jul. 2019
Sydney, Australia
- Built web tools to streamline and speed up processes in Logistics, Customer Care, QA or Finance teams
- Created a central interface to manage recipes definition, prices and ingredients' packing and ordering

Full-stack Web Developer, Intern | Theodo, web-development consulting company – €21M rev.
Aug. 2018 – Jan. 2019
Paris, France
- Mainly supported *Tarkett*, a top multinational specialized in flooring (€2.8B rev.), to enhance its website
- Applied agile (scrum) & lean methods to continuously improve *Theodo*'s organization and software

Operator Intern | Lumex, lighting and power equipment rental company (TV, Cinema, Advertisement)
June 2017 – Jul. 2017
Paris region, France
- Carried out repairs on mechanical and electrical material, picking/packing orders

Education

2019 – 2021
Munich, Germany
Technische Universität München – Faculty of Mathematics
MSc – Mathematics in Data Science
Applied mathematics, data engineering, ML, computer vision, natural language processing
DAAD (German academic exchange service) scholarship holder

2016 – 2018
Paris region, France
CentraleSupélec – former **École Centrale Paris**
MEng – Top-3 engineering school in France
Computer science, engineering and physics, entrepreneurship, economics, corporate finance

2014 – 2016
Rouen, France
Preparatory classes, MPSI/MP* – Lycée Pierre Corneille
2 years of preparation for the highly competitive entrance exams to the French *Grandes Écoles*
Mathematics, physics, computer science, general knowledge, philosophy

2014
Normandie, France
Scientific High School Diploma – French Baccalaureate
European section, graduated with highest honors – 19,47/20

Projects and initiatives

TUM Data Innovation Lab | Helmholtz Zentrum München (Institute of Computational Biology)
Apr. 2020 – July 2020
Munich, Germany
- Modeled disease risk with machine learning on DNA data, using variational auto-encoders

Mobile Application Developer | mycs.centralesupelec.fr/fr/campass
Oct. 2017 – June 2018
Paris region, France
- Developed a multi-platform app. to help 2500 people (students/external) find their way in a new campus

Language and computer skills

English	Professional competence (C1) – Toefl ITP 627/677 – Toefl IBT 102/120
French	Native language
German	Intermediate level (B1)

Data science	Usage of many Python libraries such as NumPy, Scikit-Learn or Pandas, basics in R
Deep learning	PyTorch, TensorFlow, OpenCV, Neptune.ai, basics in C++
Infrastructure	AWS/GCP proficiency, Docker
Web development	Python (Flask, PythonRQ), JS (Vue and React), PHP (Symfony), SQL, Elasticsearch

Personal interests and community involvement

Teamwork	**Treasurer of Association des Résidents CentraleSupelec (AdR)** – 36 people – €350k budget
	- Planned and budgeted cooperative services for a 1200-people campus and events up to 2200 people
Personal interests	Sports: rowing, field hockey, running, ski; former cello player
	Curious and enthusiastic about constantly learning – love travelling and discovering cultures