Léo Dupire

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U.S. Green Card Holder | French & Swedish Citizen

Education

New York University, New York, NY *(Transferred In)*
Bachelor of Computer & Data Science (Joint Major) *2018 - 2023*
Northeastern University, Boston, MA *(Transferred Out)*
Bachelor of Mechanical Engineering

Relevant Courses: ML for NLP; Database Design & Implementation; Responsible Data Sci; Probability & Stats; Data Structures; Calculus III; Diff Eq & Lin Algebra; Engineering Design I-II; Thermodynamics

Lycée Français de New York, NY
High School: OIB Scientific Baccalaureate Diploma with Honors *June 2018*

Code in Python Course | Stanford University, CA
Summer course in Python programming. *Summer 2017*

Work

Brocc (Peer-to-peer lending) | *Internship & Part-time* | Stockholm, Sweden **Data Engineer**
Developed back-end software handling client data between AWS and Azure. *June-December 2021*
Exposure to ML. Immersed in multiple AWS tools: Lambda functions, Redshift, S3, and others. Worked and expanded skills/knowledge effectively on an independent level (remote from NYC) and in a team environment (in-person | Stockholm).

Analogic Corporation | *Co-op* | Boston, MA **Mech. Engineer**
Developed upgrades for a rapid DNA sequencer used by the FBI (adapted for COVID-19 testing). Worked on several projects for airport security CT scanning systems and created a product for which I started the patenting process. *Jan. - May 2020*

Skills & Experience

Programming: Python; Java; C++; MATLAB; SQL; MongoDB
Applications: AWS; Microsoft Azure; PyTorch; Scikit-learn; Docker; AutoCAD; SolidWorks; LaTeX
Languages: Trilingual in English, French, and Swedish. Conversational in Spanish.

Activities:
NYU Data Science Club *Current*
Northeastern Sustainable Technologies Association (NESTA) | Co-Founder & President *2020-2021*
Scandinavian Student Association | Treasurer *2020-2021*
Northeastern Paradigm Hyperloop Team (Affiliated with SpaceX) *2019*
Swinburne Formula SAE (Single Seater Race Car) *Fall 2018*

Personal projects: Go-kart with suspension, designed & built at the age of 12; hydrodynamic water tunnel with propeller design & analysis; simplified ventilator (COVID-19). Others are covered in a **TEDx (LINK)** talk, "Realize Your Dreams," performed at age 15. Here is the **link** to my **Portfolio**.

Kaggle: Completed several courses and participated in competitions on the Kaggle website. Applied machine learning algorithms to and created prediction models on several data sets.

Boston Museum of Science: Sustainability Exhibit on carbon sequestration. Assimilated Skills: Working in a team; understanding the engineering design process; SolidWorks & AutoCAD; programming and Arduino; electrical wiring; problem-solving; meeting strict deadlines. **(LINK)**

Hobbies: Composing music; guitar; piano; tennis; sailing.