

OLIVER IRWIN

Villeneuve d'Ascq, France · oliver.irwin@pm.me · +33 6.13.33.62.98 · <https://www.linkedin.com/in/olirwin>

EDUCATION

University of Lille MSc. Computer Science - specialisation in Machine Learning (<i>valedictorian</i>)	Villeneuve d'Ascq 2020 - 2022
University of Lille BSc. Computer Science (<i>valedictorian</i>)	Villeneuve d'Ascq 2018 - 2020
University of Lille BSc. Fundamental Physics	Villeneuve d'Ascq 2014 - 2018

WORK EXPERIENCE

Glaz tech+fi Lille
Software Developer / Analyst September 2020 - September 2022

- Analyse the needs of the financial analysts
- Develop new tools for the financial analysts
- Analyse, clean up and build new models for the database systems
- Build solutions based on machine learning to predict bank application success
- Communicate with clients and the analyst teams

Reference : Samuel Minne samuel.minne@glaz-finance.fr (CTO)

Complétude Lille
Home Tutor September 2018 - Present

- Make contact with parents and pupils
- Build lessons based on level and needs
- Evaluate pupil results

Centre Oscar Lambret Lille
Developer (intern) April 2020 - August 2020

- Analyse the needs of the medical Physics team
- Build digital simulation tools for IVIM-MRI images denoising
- Deploy the tools on multi platform environments

Reference : Maëva Lantiat m-lantiat@o-lambret.fr (Tutor)

SKILLS

Programming Languages: Python, Java, C / C++, Haskell
Databases / DBMSs: SQL, PostgreSQL, Redis, Conception
Machine Learning: Regressions, AutoML, Big Data, Dimension Reduction, NLP, Deep Learning
Environments: Linux, Windows, Heroku, Salesforce, Docker
Fields: Police / Security, Financial Analysis, Wealth Management
Soft skills: Pedagogy, Rigor, Autonomy, Team player

PROJECTS

Master Thesis *Research, LaTeX*

Master Thesis written on the different approximation methods for counting problems. The work was mainly focused on the counting problems in boolean formulas and non deterministic finite automata.

FrPseudocode *LaTeX*

<https://www.ctan.org/pkg/frpseudocode>

LaTeX package to allow for a French translation of the algorithmic terms. This allows for better comprehension when writing class notes to starter students.

University Discord server *Python, Javascript, Discord*

Conception and maintaining of a community Discord server for the University of Lille's Computer Science students. The server currently has over 1200 members.