



# Tam Truong

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## Objective

As a recent Master's graduate with highest honors and a published research paper, I am seeking opportunities into a Ph.D. program in the direction of Data Mining and Operations Research.

## Experiences

### Research Institute of Computer Science and Random Systems - IRISA

Rennes, France

Research Engineer | Data and Knowledge management Department | GENSCALE team

Mar 2023 - Sep 2023

- Conducted research on data mining, operations research within GENSCALE team.
- Research results presented at conference, and published research paper.
- **Key areas:** Operations Research, Data Mining, Bioinformatics Research.

### Research Institute of Computer Science and Random Systems - IRISA

Rennes, France

Data and Knowledge management Department | GENSCALE team

May 2022 - July 2022

- Worked on binary bi-clustering using Integer Linear programming.
- **Key areas:** Linear Programming, Python, Pulp.

### Enedis - France Public Electricity Network Distributor

Paris, France

Full-Stack Developer

Mar 2021 - Sep 2021

- Developed an in-house task management app for contract management.
- Collaborated with teams to gather requirements and employed Agile methodologies.
- Maintained documentation of system requirements and project specifications.
- **Achievement:** Designed and developed a centralized platform used nationwide.
- **Key areas:** Agile Methodologies, software life-cycle development, software documentation.

## Publication and Software

### Tam Khac Minh Truong, Roland Faure, Rumen Andonov. Assembling close strains in metagenome assemblies using discrete optimization.

Rome, Italy

BIOINFORMATICS 2024, [Link to paper](#)

Feb 2024

- Published a paper about accurately separating strains in bio-informatics datasets using data mining and biclustering with integer linear programming.
- **Key areas:** Operations Research, Matrix completion, Python, PULP, Gurobi Solver, Approximation Algorithm.

### strainMiner - software for separating strains in metagenomic assemblies using ILP

Rennes, France

[Git Repository Link](#)

2023

- Software released in conjunction with the publication

## Education

### MSc in Data Science and Business Intelligence, graduated with highest honours

Helsinki, Finland

EIT - European Institute of Innovation and Technology Digital Master School

2021 - 2023

- Double degree from 2 universities.
- **2<sup>nd</sup> Aalto University:** Business Intelligence, Data Analyst, Big Data Management, Machine Learning.
- **1<sup>st</sup> Rennes University:** Data Science.
- **Achievement:** Full Scholarship from the EU.
- **Relevant Coursework:** Data Mining, Machine Learning, Data Analysis and Visualization, Operations Research.

### Business Summer School

Ljubljana, Slovenia

University of Ljubljana, School of Economics and Business

Jul 2022 - Aug 2022

- **Relevant Coursework:** Project Management, Market Research, Business Intelligence.

### BSc in Computer Science, graduated with high honours

Rennes, France

Rennes University

2020

- **Relevant Coursework:** Web Development, UX/UI design, SQL Database, UML/UXL diagram.
- **Achievement:** , full Scholarship from the EU.

## Skills

**Tools** Git, Latex, GUROBI Solver, PULP Solver, Evernote, JIRA, Lucidchart.

**Programming languages** Python, PHP, JavaScript, SQL.

**Soft Skills** Strong communication, problem-solving skills and ability to work independently and in a team environment.

**Languages** English (Fluent), French (Fluent), Vietnamese (native).

## Reference

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