

LUCAS ROBIDOU

french PHD student in bioinformatics

CONTACT

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in Lucas Robidou

SKILLS

Programming languages

Python ●●●●●●
C++ ●●●●●●
Java ●●●●●●
SQL ●●●●●●
HTML/CSS/Js ●●●●●●
LaTeX ●●●●●●
Bash ●●●●●●

Software & Tools

git ●●●●●●
Visualisation (matplotlib, ...) ●●●●●●
Docker ●●●●●●

Languages

French mother tongue
English TOEIC: 940
Japanese basic concepts
Spanish basic concepts

CENTER OF INTERESTS

Judo (brown belt)
Piano (beginner)
3D printing
rapsberry pi, arduino, esp32...

WORK HISTORY

📅 10/2020 - now
📍 Inria, Rennes (Britanny) **PHD (bioinformatics)**

research about existing solutions and their flaws, invent new solutions
writing scientific papers and **giving presentations** in conferences to share new results
teaching undergraduate students (teaching assignments)
participating in a popular science short film contest
organizing the aforementioned contest the following year

📅 02/2020 - 09/2020
📍 Sopra Steria, St gregoire (Britanny) **Internship - Software engineer**

Creation of a file transfer application in an agile team (discussion with the client, documentation, tests, development, code reviews...)
Tech used: java 8, Spring, Hibernate, Elasticsearch, PostgreSQL, Liquibase, Kubernetes, Docker, Helm, Git / GitLab, REST API

📅 summer - 2019
📍 National center for scientific research (CNRS) **Internship - developer**
Villetaneuse (Île-de-France)

Creation of an application to visualize chemical reaction data (discussion with the client, documentation, development...)
Tech used: python

📅 2018 - 2019
📍 National center for scientific research **Group project**
Villetaneuse (Île-de-France)

Creation of a website to plot chemical reactions graphs (<https://ammonx.lspm.cnrs.fr/>)

EDUCATION

📅 10/2020 - now
📍 Université Rennes 1, Rennes (Britanny) **PHD (bioinformatics)**
subject: making a search engine for genomic sequencing data

📅 2017 - 2020
📍 Sup Galilée, Villetaneuse (Île-de-France) **Engineering school**
section **computer science**: algorithmics, computer network, language theory, graph theory, complexity theory, compilation theory ...


📅 2019 - 2019
📍 Hanyang University, Seoul (Korea) **university exchange programme**
machine learning, robotics

📅 2015 - 2017
📍 Lycée Lesage, Vannes (Britanny) **preparatory classes**
preparatory classes for entrance to 'grandes Écoles' section physics and technology
Engineering science, mathematics, physics, philosophy, computer science

📅 2015
📍 Lycée St Louis, Lorient (Britanny) **Baccalauréat**
Scientific sections - with honors

PUBLICATIONS


findere: fast and precise approximate membership query

 **Lucas Robidou**, Pierre Peterlongo

 2021  Spire 2021 ([DOI](#))

 [bioRxiv](#)

fimper: drastic improvement of Approximate Membership Query data-structures with counts

 **Lucas Robidou**, Pierre Peterlongo

 2023  preprint ([DOI](#))

 [bioRxiv](#)