Alexis GUIGAL

Student in Master Algorithmique Modélisation à l'Interface des Sciences

Personal Informations:

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in Alexis Guigal

AlexisGGFR

GGAlexFR

Education:

2022 – aujourd'hui :
Master Algorithmique Modélisation à l'Interface des Sciences at l'UFR des Sciences of Versailles
(Langage C, Java (JEE), Python(Pytorch))
-TER : Modelling and Generation of Molecular Cage Construction Guides (C)
-Ranking method and recommendation : Quadratic Aitken acceleration in the powers algorithm, pagerank (C)
-Graph algorithm, Game theory, Neural networks…

2019 – 2022 :
Dual degree Biology and Computer Science at l'UFR des Sciences of Versailles
(Computer Science : langage C, Java, Python, SQL, R)
-Algorithms and foundations of data science: clustering project with the PAM method (C)
-Project: prediction of RNA secondary structure with the Nussinov algorithm(C)
-Object-oriented design and programming, graph algorithm (algorithms I) ...

2018:
French HS diploma, Science Major option Computer Science (HTML, CSS , JS)

Work Experience :

Juin 2021 – Juillet 2021 :
Intership at l'Institut Pasteur in Paris in the Computational Biology department in the Statistical Genetics team (Research, Creation of programs in C, python (pandas), shell (awk))

Decembre 2014 :
Intership of 9th in optician « Alain Afflelou » in Rambouillet during one week. (Organization and preparation of orders, storage of glasses, etc...)

Languages skill :

French : Native
English (High School + university) : B2 : Comprehension and interpretation of conversation and text in English.
German (High School) : A2 : Basic conversation and text comprehension in German

Technicals skill :

Computer Science :
• Programming language : C, Python, Java, SQL, Javascript, HTML, CSS, R
• Other : Microsoft Office, OpenOffice, Markdown, LaTeX

Biology :
• Mastery of scientific tools such as the optical microscope and interpretation of observation results in electron microscopy, or the use of different glassware while respecting the safety protocol.
• Use of biology software such as RasWin or Biorender for example.
• The basics of the scientific interpretation of graphs and results
• Basics of interpreting and writing scientific protocols.

Interest :

Cycling   Swimming   Strategy games   Team games