OUSSAMA BOUHENNICHE

Mathematician / Web Developer

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EDUCATION

Master's Scientific Computing and Mathematics of Innovation (CSMI)
University of Strasbourg

📅 Sep 2023 – ongoing   📍 Strasbourg, France

- Skillsets in Applied Mathematics and computer science and that include modeling, simulation, optimization, signal and image processing, data mining, and high performance computing.

Master's degree in Operations Research
University of Algiers Benyoucef-Benkhedda

📅 Sep 2019 – Sep 2021   📍 Algiers, Algeria

- Linear Programming, Graph Theory, System Modeling, Probability, Queue area.
- Data analysis, Artificial intelligence, Data mining, Game theory, Combinatorial optimization.
- Multi-objective optimization, Metaheuristic Optimization, Schedule (project management), Multiple-criteria decision analysis.

Bachelor's degree in mathematics
University of Algiers Benyoucef-Benkhedda

📅 Sep 2015 – Jun 2019   📍 Algiers, Algeria

- Algebra, Analysis, Complex analysis, Numerical analysis, Hilbertian analysis, Topology, Geometry, EDP, EDO.
- Optimization, Programming. Probability and statistics, Measurement and integrations.
- Algorithmic, OOP, Coding and Data Structure.

Baccalaureate scientific Serie
Ali Ammar High school

📅 Sep 2012 – Jun 2015   📍 Algiers, Algeria

EXPERIENCE

Internship: Parareal Algorithm - An Advanced Analysis
Cemosis IRMA

📅 Jun 2024 – Jul 2024   📍 Strasbourg, France

- the Parareal algorithm a parallel-in-time integration method designed to efficiently solve time-dependent problems.
- Aimed to further investigate the Parareal algorithm's performance, convergence properties, and its interaction with various solvers.
- The Overview of the internship is available on CSMI github discussions

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Project: Parareal Algorithm - Lorenz System
Cemosis University of Strasbourg

📅 Apr 2024 – Jun 2024   📍 Strasbourg, France

- This project focuses on the development and implementation of the parareal algorithm in both sequential and parallel formats.
- The algorithm was applied to solve the Lorenz using Model of order 1 and 4, both constant and adaptive time stepping.
- The project is available on github

Software engineer - Frontend web development
Ouedkniss

📅 fev 2021 – Aug 2023   📍 Algiers, Algeria

- Participating in the development of Ouedkniss.com (Lead of e-commerce in Algeria) platform services.

Internship - Software and Problem solving
NAFTAL

📅 avr 2021 – sep 2021   📍 Algiers, Algeria

- Multicriteria analysis and classification according to the performance of NAFTAL service stations.
- The use of the ELECTRE II algorithm to classify stations in an objective and precise way.
- Realization of a vue.js web application that allows to visualize the ranking.

TOOLS & LANGUAGES

Python   Scikit learn   TensorFlow

C   C++   MPI   OpenCL

HTML, CSS, JavaScript ES6, Typescript   Jquery, Bootstrap   VueJS   GraphQL   MySQL

Figma   AdobeXD

Git, Github, Gitlab

PERSONAL PROJECTS

🌐 **Portfolio**
oussama-bouhenniche.netlify.ap

🌐 **Website development**
Website for efficiently managing an online tea store, accessible at www.kitteadz.com.

CERTIFICATS

Vue - The Complete Guide
Udemy

📅 Aug 2022

User Experience Design - Adobe XD UI UX Design
Udemy

📅 Aug 2022

LANGUAGES

English
French
Arabic