

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

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.
- Developed front-end features using Vue.js, HTML, CSS, and JavaScript.
- Optimized user interface performance to enhance platform speed and smoothness.
- Collaborated with multidisciplinary teams to implement innovative solutions addressing user needs.
- Continuously maintained and improved functionalities to provide an optimal user experience.

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.kittheadz.com.

CERTIFICATS

Vue - The Complete Guide

Udemy

📅 Aug 2022

User Experience Design - Adobe XD UI UX Design

Udemy

📅 Aug 2022

LANGUAGES

English

French

Arabic

