



# Wissem Boughamoura

Full-Stack Web Developer  
VueJS+Vuetify|Django+DRF

## CONTACT INFORMATION

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## OBJECTIVE

- + Shortterm: Share my knowledge with company coworkers and improve my communication and professional skills.
- + Longterm: Develop a complete system for creating web applications with the minimal of html/css knowledge and which are fully controllable by js or JSON object.

## SKILLS

JAVASCRIPT	<div></div>
VUEJS	<div></div>
VUETIFY	<div></div>
JSON	<div></div>
PYTHON	<div></div>
DJANGO	<div></div>
D.R.F.	<div></div>
HTML	<div></div>
CSS	<div></div>
PROBABILITY	<div></div>
STATISTICS	<div></div>
ANALYSIS	<div></div>
ALGEBRA	<div></div>

## WORK EXPERIENCE

**CONSULTANT** / 2017 - NOW

Freelancer

Creation of my custom products: DJANGO-WB-FILTER, DJANGO-WB-API, VUE-WB-UI, WB-JS FRAMEWORK.

**MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH (TUNISIA)** / SEP 2006 - NOW

Training

Subjects taught: Integration and measure theory, Probability, Statistics, Probability with Matlab Simulation , Analysis, Algebra, Python

**NATIONAL ENGINEERING SCHOOL OF TUNIS** / SEP 2007 - JUN 2012

Phd researcher: Financial Mathematics

My research focused on Asian options in incomplete markets: precisely when the underlying is modeled by the exponential of a Lévy process (finite activities, CGMY,...). I published 3 articles and I submitted my Phd report, but unfortunately, I gave up for family reasons.

**HIGHER INSTITUTE OF TECHNOLOGICAL STUDIES KEF** / SEP 2004 - AUG 2006

Technology Trainer

Subjects Taught: Descriptive Statistics, Operating System

**NATIONAL INSTITUTE OF STATISTICS** / JUL 2003 - JUL 2004

Data Scientist

Supervisor of the 2004 population and housing census in Tunisia and responsible for the 2003 consumption survey

**SIGMA CONSEIL** / JUL 2002 - JUL 2003

Data Analyst

Monitoring Manager for Media Ads, Analyze the impact of media advertisements on consumers, Customer satisfaction studies.

## EDUCATION

**MASTER'S DEGREE: MATHEMATICS AND STATISTICS** / Sep 2002 - Jul 2004

Faculty of Sciences of Tunis - Tunisia

- Courses: Infinite Dimension analysis + Markov chains and dynamical systems
- Master Title: Generalized Levy White Noise Functions

**ENGINEER'S DEGREE: COMPUTER SCIENCE AND DATA ANALYSIS** / Sep 1999 - Jun 2002

National School of Computer Sciences - Mannouba

Diploma Title: Statistics and data analysis engineer

**ENGINEERING PREPARATORY STUDIES, MATHEMATICS AND PHYSICS** / Sep 1997 - Jun 1999

Preparatory Institute for Engineering Studies

## LANGUAGES

- Arabe: Native
- French: bilingual
- English: Advanced

- Pass the national entrance exam to engineering schools

## PROJECTS

### DJANGO-WB-FILTER / FREELANCE - 2020

A Django module, that simplify/beautify Django-Orm-conditions of complex queries instead of using Q objects combined using the & and | operators.

### DJANGO-WB-API / FREELANCE - 2021

A nested API based on Django and DRF. It allows to send POST request to back-end where the JSON body in a specific format (its properties can be expressed in terms of each others them self). That make requests more dynamic, the server responses more flexibles, and database actions multitasking (even actions can be done on the fly)....

### VUE-WB-UI / FREELANCE - 2022

A U.I library based on Vue which consists of writing, generalizing, controlling, generating and mixing html, css, js, dom, vuetify by writing only js or json objects. In addition, theses objects provide interaction with the backend as well.

### WB-JS FRAMEWORK / FREELANCE - 2022

A custom framework based on Vuejs and Vue-WB-UI whose views are managed and controlled by a base class, which interacts with my own backend framework Django-WB-API via my custom API Django-WB-API. Its views and its components are 100% controlled only by js objects. they are presented in folders with a nice tree structure.

### T-C FOUNDER / T-C - 2022

A start-up based on my WB projects used as an attractive product to highlight the importance and the contribution of WB Products. It aims to centralize/manage everything related to sports clubs in Tunisia. T-C launches its services from October.

### OLD.TCMO.TN / FREELANCE - 2019

100% django web application that allows to manage a tennis club, its members, its resources, sessions timetable, player tracking...

## PUBLICATIONS

**ON TWO-PARAMETRIC ESSCHER TRANSFORM FOR GEOMETRIC CGMY LÉVY PROCESSES** 2014  
*INT JOURNAL OF OPERATIONAL RESEARCH* -  
Wisseem Boughamoura and Faouzi Trabelsi

**VARIANCE REDUCTION WITH CONTROL VARIATE FOR PRICING ASIAN OPTIONS IN A GEOMETRIC LEVY MODEL** 2011  
*INT. JOURNAL OF APPLIED MATHEMATICS* -  
Wisseem Boughamoura and Faouzi Trabelsi

**PRICING AND HEDGING OF ASIAN OPTION UNDER JUMPS** 2011  
*INT. JOURNAL OF APPLIED MATHEMATICS* -  
Wisseem Boughamoura, Anand N. Pandey and Faouzi Trabelsi