

# Houssam Eddine Trizi

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## EDUCATION

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### Mohammedia Engineering School

*Master of science in Modeling and Scientific Computing*

**Rabat, Morocco**

*June 2016*

### CPGE High Tech

*Classes préparatoires aux grandes écoles, options maths physiques (MP)*

**Rabat, Morocco**

*June 2013*

### Abi Darr ElGhifari High School

*Bachelor's Degree major: Physics*

**Rabat, Morocco**

*June 2009*

## PROFILE

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Digital engineer with significant experience in automation development and industrialisation of python applications within investment banking front office teams (sales, engineering, trading), and with a good mathematical and financial knowledge.

## EXPERIENCE

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### Societe Generale Corporate and Investment Banking

*Digital Transformation Engineer (Trading Fixed Income)*

**Paris La Défense, France**

*June 2020 – Present*

- Building and integration of micro-services for implied volatility calculation process and contribution to internal market data backends.
  - Stack: C#.Net Core/Framework, Nancy.
- Setup automatic integration tests and deployment pipelines for the team's existing python applications. Teamcity, Octopus deploy.

### Societe Generale Corporate and Investment Banking

*Digital Transformation Engineer (Fixed Income)*

**Paris La Défense, France**

*June 2019 – June 2020*

- Developed a pre-trade tool to automate XVA pricings for FIC products (Swaps (Vanilla, Convexe, Flexible & Callable), Cross Currency Swaps & other FIC exotic products, used by FIC pricing team.)
  - Stack: Python 3.7 (Pandas, Numpy), Flask, MongoDB, Elasticsearch Kibana.
- Developed a monitoring blotter of existing FIC deals to be able to propose to FIC corporate clients optimal unwinding dates. Python 3, Django, MySQL, Elasticseach Kibana.
- Developed a monitoring tool for FIC Sales team to detect basis arbitrage opportunities for corporate clients.
- Scripting pricing and risk analysis methodologies for FIC products.

### Societe Generale Corporate and Investment Banking

*Digital Transformation Engineer (Equity)*

**Casablanca, Morocco**

*Mar 2017 – Jan 2019*

- Developed an application to automate mass pricing of equity structured products variants for distribution clients, which serves as entry points for potential trades.
  - Stack: Python 3, Flask, MongoDB, Pandas.
- Implemented Python clients for internal R&D API's used by pricing teams

## SKILLS AND QUALIFICATIONS

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- Relevant Coursework: Data Structures and Algorithms, Databases.
- Programming Languages: Python, C.Net, Java..
- Frameworks, technologies & tools : Flask, Django, Bootstrap, jQuery, Pandas, Numpy, REST, JSON.
- Databases: MSSQL Server, MongoDB.
- CI/CD & version control: Teamcity, Octous Deploy, Docker, JFrog Artifactory, Git.
- Fluent in both French and English.