

Joseph ASSAKER

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EDUCATION

2020 - Master 2 in Computer Sciences: Web Development —
Lebanese University Faculty of Sciences, Beirut

2019 - Advanced Python Course — Hamburg University

- As a reward for winning the Bodenseo Python Competition, I was granted the opportunity to attend Bernd Klein's Advanced Python course at the University of Hamburg.

2018 - Bachelor in Computer Sciences — Lebanese University

ACADEMIC PROJECTS

2019 - Improved A* Algorithm via the use of K-means Clustering

- This project aims to find the shortest path between two nodes on a traffic congestion map.

2018 - Optimized Algorithms for Odd Dimensions Magic Squares

- This algorithmic analysis project focuses on the optimization of the generation of odd dimensions magic squares.

**All the details of my projects are available at: josephassaker.github.io*

EXPERIENCE

2020/present - Zaka AI — Artificial Intelligence Engineer

- Developed various object detection and classification models, from data collection and labeling to model training and optimization.
- Mentoring 10+ interns, managing their tasks and progress and helping them achieve their goals.
- Extensively followed agile methodology, consisting of daily stand-up and weekly sprint planning meetings.

2019/present - Coder-Maker Club — Entrepreneurship

- Participated in the creation and management of a social enterprise; the Coder-Maker Club.
- Handled various communications, ranging from the training sessions students' parents communication to the students' progress and logistics reporting and various event creation tasks.

2018/present - IEA Volunteering — Coding/Making/Electronics

- Teaching/Introducing people from all ages to the world of coding and electronics (primarily Python and Raspberry Pi with various electronic components).

SKILLS

Programming: Python 3 (pandas, matplotlib, numpy, beautifulsoup, keras, etc), Java, C/C++, SQL, AWS (EC2, S3, Cloud9), C#, HTML/CSS/JS, XML/DTD/XSLT.

Others: Data Visualization, Oral and Written Communication, Team Spirit, Agile Methodologies, Fast Learner.

Interest Areas: Data Science, Machine Learning, Computer Vision, Algorithmics.

LANGUAGES

- Arabic — Native
- English — Proficient
 - Academic IELTS - Band 8.5
- French — Fluent
 - DELF B2

AWARDS

2020 - Google Hash Code Competition

1st Place in Lebanon.

2019 - Bodenseo Python Competition

1st Place Award.

2018 - Alfa-Ericsson IoT Competition

2nd Place Award.