# Youssef Fares

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## Technical Experience

**Microsoft** — Cairo, Egypt                                         June 2020 - Present

*Software Engineer (Contract), Document Knowledge Extraction team.*

Building and evaluating models for the document understanding backend of Bing, LUIS & MS Machine Translation.

**Qurba** — Alexandria, Egypt                                     June 2019 - October 2019

*Software Engineer (Backend), qurba.io*

Built qurba.io's sponsorship engine to tune ad impressions for different billing models using NodeJs, Joi & Mongodb.
Built qurba.io's trending algorithm using Mongodb's aggregation framework using a history based z-score.

**Yelp** — Hamburg, Germany                                       July 2018 - October 2018

*Software Engineering Intern, Business Growth team*

Merged two main flows on biz.yelp.com to reduce technical debt & provide consistent UX for business claims while working closely with the product management team.
Pioneered the use of a different logs infrastructure to run a resource heavy A/B experiment on yelp's most visited page.

**Ionite** — Alexandria, Egypt                                   October 2017 - January 2018

*Software Engineer (Backend)*

Made the product support multiple clients by implementing single-database multi-tenancy for our Rails API.
Implemented and tested a GraphQL backend for a real-time workplace attendance tracker.

**Lynks.com (YC W'16)** — Alexandria, Egypt                      August 2017 - September 2017

*Software Engineering Intern*

Revamped the website's ordering experience for resellers to involve fewer emails, clicks and savable user preferences.

**Languages & Technologies:** Python (and ML prototyping tools), Javascript (and Nodejs), Ruby on Rails, C, and SQL.

## Education

**Faculty of Engineering, Alexandria University**               September 2014 - June 2019

BSc., Computer Science and Electrical Engineering. 3.45 GPA.
*Graduation Project*: a crowdsourced dictionary ⬈, dataset and model for Egyptian sign language machine translation.

## Projects

**Radiology Abnormality Detection**

A Pytorch classifier trained on MURA dataset benchmarking densenet-169, resnet and inception v3 architectures.

**Sick Assembler**

An assembler built using Rust programming language

## Publications

**Arabic Dialect Identification with Deep Learning & Hybrid Frequency Based Features**

*Youssef Fares, Zeyad El-Zanaty et al.* Proceedings of the Fourth Arabic Natural Language Processing Workshop