

# Abdelrahman Eed

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## EXPERIENCE

### MICROSOFT

#### | SOFTWARE DEVELOPMENT ENGINEER II

Jun 2022 - Present | Cairo, Egypt

- Built an email platform for communicating with Microsoft Clarity users (A user behavior analytics tool) to show weekly insights and to promote new features, using .NET, ADF & Eventhubs.
- Onboarded multiple people to the team and gave them the resources needed to get familiar with the stack.

#### | SOFTWARE DEVELOPMENT ENGINEER

Aug 2020 - Jun 2022 | Cairo, Egypt

- Created data analytics services that pull data from different data sources to enable cross-database querying to show metrics that help in making business decisions for Microsoft Clarity, using .Net, CosmosDB, Event Hubs and Azure Data Explorer.
- Created a pipeline to onboard existing customers for different Microsoft products onto Clarity that directly aided the growth of Clarity using Azure Functions and ADF.
- Worked on integrating Microsoft Clarity with 3 different 3rd parties, and created a general purpose solution for integrating with Clarity with no effort, using TypeScript, Node.js & GraphQL.
- Compared between different metrics and came up with new metrics to be used to measure the performance of Microsoft Clarity, and migrated our dashboard to the chosen metrics.
- Onboarded one of the summer engineering interns, and mentored them to deliver on requirements.

### FACULTY OF ENGINEERING CAIRO UNIVERSITY |

#### SOFTWARE ENGINEER - FREELANCE

Jan 2020 - Dec 2020 | Cairo, Egypt

- Worked on a project developed for the Ministry of Environment in Egypt.
- Created backend APIs for supporting new features, and adding supporting auth. logic for a newly build mobile application interface, using Java, Gradle & Tomcat.
- Optimized the build output of the frontend, that reduced the package size by 80%, using Vue, Webpack & NPM.

### FACULTY OF ENGINEERING CAIRO UNIVERSITY |

#### TEACHING ASSISTANT

Jan 2020 - Jun 2020 | Cairo, Egypt

- Courses: Data Structures and Advanced Programming Techniques.

### ZEWAIL CITY | TEACHING ASSISTANT

Jan 2020 - Jun 2020 | Cairo, Egypt

- Courses: Data Structures and Software Engineering.

### MENTOR GRAPHICS (SIEMENS) | INTERNSHIP

Jul 2018 - Aug 2018 | Cairo, Egypt

- Worked on maintaining one of the software solutions, fixed bugs & verified automated tests.

## EDUCATION

### FACULTY OF ENGINEERING CAIRO

#### UNIVERSITY | BACHELOR IN COMPUTER

#### ENGINEERING

Sep 2014 - Jul. 2019 | Excellent with Honors

## PROJECTS

### HIVE | GRADUATION PROJECT

- Created an automated warehouse management system similar to the system used in Amazon Kiva robots in Amazon's warehouses.
- The project was concerned with simulating the warehouse and assigning orders to robots.
- Determining the robots path plan to deliver the orders to the picking gates and making sure that each order is delivered efficiently.
- The project was deployed using hardware demos to face the challenges of the real world like error detection and correction.

### AGAR.IO | MULTIPLAYER GAME

Javascript • Node.js • p5.js

### SEARCH ENGINE | WEB CRAWLER & ENGINE

Java • MongoDB

### TUNNEL RUNNER | GRAPHICS GAME

C++ • OpenGL

## SKILLS

### TECHNICAL SKILLS

Proficient with

.NET • Azure • C# • Java • Tomcat • Node.js • GraphQL  
• C++ • Git • Javascript • Typescript • Python

## LANGUAGES

### PROFICIENCY LEVEL

Native proficiency:

Arabic

Working proficiency:

English

## ACHIEVEMENTS

### ACM ICPC COMPETITION

- ACM ACPC 23rd Place Nov. 2018
- ACM ACPC 33rd Place Nov. 2017
- ACM ECPC 52nd Place Oct. 2016