El Rehab City,
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Mohamed Bassem Abdel Hafiz

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Education

German University in Cairo   **Sep 2011 - June 2016 (Expected)**

- Bachelor of Science (B.Sc.) in Computer Science (7th Semester).
- Selected undergraduate courses: Operating Systems, Databases, Computer Architecture, Software Engineering, Discrete Mathematics, Data Structures and Algorithms, Networks, Theory of Computation.
- **GPA** : 0.86 out of 0.7 (**A+**).

Employment

Software Engineer, Intern   **Trustious, Egypt**   **June 2014 - Present**

- Developed an A/B testing library for **rails**.
- Introduced changes to the caching infrastructure that lead to a 2x speedup in some pages.
- Designed and implemented the Continuous Integration pipeline.
- Implemented a test parallelization framework using **Docker** that lead to a 4x speedup.

Web Developer, Intern   **Delodi, Germany**   **Summer 2013**

- Designed and developed a web app in **php** that helps people track their goals.
- Developed a web crawler that searches for some pattern and stores results in a **MySQL** database to be used by the company later on.

Junior Teaching Assistant   **German University in Cairo**   **Oct 2012 - Feb 2013**

- Instructed the lab sessions of Introduction to Computer Science course (CSEN102).

Selected Projects

Educational Relational Database Management System

- Team project written in **Java** that implements the basic components of a Relational Database Management System (Buffer Manager, Log Manager, Recovery Manager, etc.).

Distributed Test Cases Runner

- A **python** tool to distributively run Google Code Jam/FB hacker cup test cases on several machines.

Achievements and Awards

- **2nd top ranked student** in my faculty.
- ACM ICPC 2015 **World Finalist**.
- Ranked **4th** in the ACM Arab Collegiate Programming Contest (ACPC), Egypt (2014).
- Ranked **3rd** in the ACM Egyptian Collegiate Programming Contest (ECPC), Egypt (2014).
- Ranked **4th** in the ACM Arab Collegiate Programming Contest (ACPC), Egypt (2013).

Skills

- Java, C++ (Competitive programming), Ruby, Python, PHP, HTML, Javascript, Bash, Docker, Vim user.
- Frameworks : Yii (PHP), Symfony (PHP) , Ruby on Rails, Android.