

Mohamed Bassem

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[Github](#), [Linkedin](#)
[Blog](#), [Codeforces](#)

Education

German University in Cairo

Sep 2011 - October 2016 (Expected)

- Bachelor of Science (B.Sc.) in Computer Science (9th Semester).
- Selected undergraduate courses: Operating Systems, Databases, Computer Architecture, Software Engineering, Discrete Mathematics, Data Structures and Algorithms, Networks, Theory of Computation.
- **GPA** : 3.83/4.0 (**A+**).

Employment

Software Engineer, Intern

Zoobe, Germany

August 2015 - Now

- Developed a C++ library to replace an FTP exporter with a "git" version controlled one.
- Designed and implemented a scalable service using Go responsible for collecting events and then generating, aggregating, scheduling and delivering push notifications from those events.

Software Engineer, Intern

Trustious, Egypt

June 2014 - February 2015

- 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.

Selected Open Source Projects

- **Get a Redis** (<http://getaredis.mbassem.com>): A one click, docker based, auto scaling, redis hosting implemented in Go and hosted on Digitalocean.
- **Servgo** (<https://github.com/MohamedBassem/servgo>): A simple HTTP server for static websites written from scratch with thread pools in Go.
- **Distributed Test Cases Runner** (<https://github.com/MohamedBassem/dTests>): A python tool to distributively run Google Code Jam/FB hacker cup test cases on several machines.

Achievements and Awards

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

Skills

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