

Aly T. Ibrahim

CURRENT ADDRESS

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CONTACT INFORMATION

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[LinkedIn](#) - [GitHub](#) - [Quora](#)

EDUCATION

McGill University

M.Sc. Computer Science (*Thesis*) [Fall 2018 - Present]

Courses: Algorithmic Game Theory - Mathematical Foundations for ML

Alexandria University, Egypt

B.Sc. Computer and Systems Engineering, *Distinction with Honor* [2012 - 2016]

Class Representative [2014 - 2016]

GPA: 3.80 / 4.00 [Cumulative]

Capstone Project - BrainLock: [Advisor: Dr. Khalafallah]

A Biometric Authentication System using [EEG](#) signals [*Thesis*]

EXPERIENCE

- [Careem](#) (The Middle Eastern Ride-Hailing Company)
 - Remote part-time Senior Member of Technical Staff [Sep 2018 - Present]
 - Senior Member of Technical Staff (level 3) [Jun 2018 - Aug 2018]
 - Member of Technical Staff (level 1) [May 2017 - Jun 2018]
 - Designed and Implemented Careem *Single Sign On*, developing an OpenID Connect *Identity Provider Service* based on [MITREid](#).
 - Designed and co-implemented the *Careem Platform Services*.
 - Enabling [a food app to integrate with Careem](#), opening a new portal of revenue with 20k users ordering 100s of meals weekly, and [a bus company for mass transportation](#).
 - Integrated with Saudi's (then 33% of our market) government APIs, posting real-time statistics about drivers, vehicles and trips being made, keeping our license to operate there.
- **Teaching Assistant at Alexandria University** [Fall 2016]
 - (1) Head TA: *CS231 Digital Systems 1*, and (2) TA: *CS333 Operating Systems*
- [Webalo, Inc.](#) [Jul 2016 - Jan 2017]
 - Software Engineer, Mobilized RESTful Web Services.
- **Amazon Web Services** [Summer 2015]
 - Software Development Engineering Intern in EC2 Release Reliability Team.
- [IRI school of Human Computer Interaction](#) [Winter 2014]
 - Designed and implemented an ambient system prototype for rooms in public health facilities.

CONFERENCE PUBLICATION

- In Proceedings of [ICASSP, 2018](#). [*Paper*]
“A Pragmatic Authentication System using Electroencephalography Signals.”

ACHIEVEMENTS

- [Participated](#) in Virginia Tech's [KnowledgeWorks Global Partnership Competition](#). [2016]
- Participated in ACM Egyptian Collegiate Programming Contest (ECPC). [2013, 2014]

LANGUAGES

6-Year Usage: Java

Worked with: C — Python — C++ — Scala — Spring — Bash — SQL — HTML/CSS/JS