

## EMPLOYMENT

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| <b>Software Engineer</b> | <b>Futures Business Development</b> | <b>April 2014 - Present</b> |
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- Lead development team of a new social network and search engine called "Search and Map" ([www.searchandmap.com](http://www.searchandmap.com)).
- Developed Search and Map native iOS application and currently working on its new version.
- Developed backend application servers for Search and Map applications using C++ on CentOS.
- Designed and developed a live streaming solution for Search and Map users using WebRTC and Kurento Media Server.
- Integrated many Amazon Web Services into Search and Map including (S3 / Lambda / SNS / Elastic Transcoder).
- Manage and support new team members.

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| <b>Software Engineer</b> | <b>nWeave</b> | <b>March 2013 – April 2014</b> |
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- Developed many iOS applications with Objective-C.
- Created cross-platform games using Cocos2d-x and C++ for iOS, Android and Windows Phone.
- Integrated Box2D into a couple of games to enhance gaming experience with physics engine.

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| <b>Engineer</b> | <b>Republican Guard, Egyptian Army</b> | <b>March 2012 – March 2013</b> |
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- Served in Information and Systems department and helped develop and maintain many software applications to automate tasks related to army daily work.

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| <b>Software Engineer, Intern</b> | <b>Online Technical Services</b> | <b>September 2011 – January 2012</b> |
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- Implemented a couple of modules in a Shipping web application with ASP.NET and C#.
- Designed and implemented an auditing module with Microsoft SQL Server.

## EDUCATION

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| <b>Alexandria, Egypt</b> | <b>Alexandria University</b> | <b>July 2011</b> |
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- BSc in Computer and Systems Engineering.
- Graduation Project: Service Oriented Architecture web portal for kids.

## TECHNICAL EXPERIENCE

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### Projects

- **Search and Map** (2014 - present). Search and Map is an interest-based network that connects people with similar interests. C++, MySQL-Cluster, Sphinx Search, Redis, AngularJS, PHP, CentOS.
- **Search and Map iOS App** (2014 - present). Official and initial iOS application for Search and Map. Objective-C, CocoaPods, Parse, Pusher.
- **Apocalypse Neighbors** (2013 - 2014). A 2D game with turn-based artillery shooting, inspired by the dueling fun of Worms and the addictive physics of Angry Birds. C++, Cocos2d-x, Box2D, Objective-C.

## ADDITIONAL EXPERIENCE AND AWARDS

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- **Microsoft CLIP Project (January 2010 – May 2010)**: Awarded a certificate of recognition in appreciation for my contribution to the Arabic Captions Language Interface Pack for Visual Studio 2010.

## Languages and Technologies

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- C++; C; Objective-C; Swift; SQL; JavaScript; AngularJS; PHP; NodeJS
- XCode; MySQL; MySQL-Cluster; Redis; Sphinx Search; WebRTC; Amazon Web Services; Kurento