Mahmoud Mohamed Hadad

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Profile

Skilled software developer with high software engineering basics knowledge, trained and educated on problem solving, algorithms, software design patterns and principles, have a good communication, presentation and leadership skills, productive within teams or as individual.

Objective

To join a great organization and be a part of its structure, utilize my skills and what I learned for better productivity of the organization.

Education

Senior student at Faculty of Computers and Information - CU

Major: Computer Science   Minor: Information Systems
GPA: 3.71   Expected Graduation Year: 2016

Experience

Cloudypedia (Google partner)

Summer Internship From 7/2015 to 10/2015
Part time Junior Software Engineer From 10/2015 to 12/2015

- Developed Fawry android application.
- Participated in developing Fawry application backend as a REST API.
- Online courses website using Google Course Builder.
- Developed Add-ons for Google documents, sheets and forms (Create Bulk, Document Merger, …).
- Developed Java application as an interface for GAM Tool.
- Worked on developing Educational website using Google Classroom API.

Exceed

Summer Internship for 2 weeks 2015

- Developed simple .Net application to upload excel sheet as 2D table, save it in SQL DB and perform queries on it.

180 Daraga (Student activity)

- Data Structures Instructor assistant February 2015.
- Object Oriented Programming Instructor assistant August 2014.

Hackathons

Participated in Hack4Community Open Data hackathon (Cairo Node) (3 days) April 2016

- Built a Business Model for Health Care System
- Developed ambulance request system to get information about nearest ambulance center information, nearest suitable hospital for the case information and the best routes to go through.

Participated in Global Game Jam (3 days) Jan 2015

- Developed simple shooting game using Unity and C# scripts.
  https://www.youtube.com/watch?v=DOX39nxg-mw
  http://globalgamejam.org/2015/games/shooting-enemy

Certificates

Certified Data Science and Big Data Analytics EMC https://goo.gl/IEKj3m

Technical knowledge & Projects	• Transportation guide system prototype (web and android frontend, REST API with Java EE deployed on GAE as backend) http://transportation-system.appspot.com/
	• RESTful Social Network API with web frontend https://goo.gl/hRYNnT .
	• E-commerce website B2C (PHP) (Worked as PHP developer) https://goo.gl/dCbHc5 .
	• Developed PC Timer (java app) https://github.com/MahmoudHadad/PC_Timer .
	• Developed Library System (C#, MySQL) https://goo.gl/0Pn8ue.
	• Developed a simple Bubbles Smash game (Java app) https://goo.gl/ZCo751.
	• Developed a simple Hangman game (Python app) https://github.com/MahmoudHadad/Hangman
	• Virtual File System (Java Console App) https://goo.gl/54HyTc.
	• Image Recognition using Neural Network https://goo.gl/1w4OTI.
	• Bidirectional_Heteroassociative_Memory (Neural Network) https://goo.gl/FvLo3O.
	• Back propagation & Feed Forward (Neural Network) https://goo.gl/NVaHnn.
	• Compression techniques for text and Images https://goo.gl/oTfhoX https://goo.gl/rA1uwl.
	• Advanced Data Structures https://goo.gl/lxhi5s.
	• Disk Scheduling Simulator https://goo.gl/xHi970.
	• Text Editor (QT app) https://goo.gl/qmMjYY.
	• Connecting Bridges Game Solver (Prolog) https://goo.gl/PMw7E2.
Skills	• OOP and Data Structures (Excellent).
	• Design principles and set of design patterns.
	• REST Services and APIs.
	• Parallel programing using C MPI library, Java Threads.
	• Self-learning and ability to work on new technologies
	• Aggressive schedule
Languages	• C, C++, Java, Android, Google apps script, R, PHP native, JSON, Prolog, HTML, JSP , JavaScript , JQuery, Python(Beginner),CSS(Beginner), .Net(Beginner), Unity(Beginner), Visual C++, QT, Open GL and Assembly (MIPS 2000).
Database	• SQL, Google Data Store
Version control	• Git: GitHub, Bitbucket
Testing	• TestNG, Selenium
Software Engineering Methodologies	• Waterfall development, Agile (Scrum).
Other Technologies	• JAX-RS, Trello, Google App Engine, Google APIs and Add-ons.