

Sami Emad

Software Engineer / Data Scientist

Smart, ambitious young engineer looking to solve the challenging problems of today to help shape a better digital future for everyone.



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WORK EXPERIENCE

Software Engineer / Data Scientist Freiheit.com technologies gmbh

06/2017 – Present

Hamburg, Germany

Deploying Tomorrow. Today.

- Developed 50+ microservices to handle over 1M DAU.
- Introduced new technologies into our systems, such as Kotlin, ISTIO, and many more.
- Lead the product development from interacting with clients/stakeholders to feature refinement and planning until implementation, delivery and tracking.
- Working agile, giving code reviews everyday. supporting team members getting things done.

Teacher and Coach for Programming Competitions Syrian Virtual University (SVU)

11/2015 – 06/2017

- Introduced students to international programming competitions (ACM ICPC)
- Taught programming languages, algorithms, data structures, and problem solving skills for beginner, intermediate, and advanced students.
- Managed coaching, team selection, and preparation for contests.

Software Engineer & Application Developer Freelance

03/2014 – 06/2017

- Developed Android, .NET, Web applications and Web APIs with various technologies including: C++, Java, C#, ASP.NET, PHP, MySQL, SQL Server, git.

CS Teacher and Content Creator Techno Home Academy

06/2013 – 04/2017

Latakia, Syria

A local academy that offers professional courses in many fields including: CS and Engineering.

- Created and taught curriculum material for C++, Java, Android, Algorithms & Data Structures Courses (Beginner, Intermediate & Advanced).

EDUCATION

MSc in Teleinformatics Tishreen University

10/2014 – 05/2017

Latakia, Syria

- Telecommunication system design
- Advanced Web technologies

BSc. in Computer Engineering and Automatic Control Tishreen University

10/2009 – 07/2014

Latakia, Syria

- Top 3rd graduate
- Average %83.70

Online Courses

Udacity, Coursera, MIT-OCW and others

10/2009 – Present

- Developing Android Apps (Udacity)
- Deep Learning (Udacity)
- Machine Learning (Stanford University on Coursera)
- Introduction to Algorithms (MIT)

SKILLS & COMPETENCES

C++

Android

Java

Tensorflow

Pandas & Numpy

Kotlin

React JS

Distributed Systems

Kubernetes

Linux

Data Structures and Algorithms

Microservices

Problem Solving Skills

Communication Skills

Systems Analysis & Design

Leadership Skills

PROJECTS

Self-Balancing robot (2012)

- Designed a two-wheels self-balancing robot using AVR micro controller. & implemented optimal control algorithm.

BeLight (2013)

- Designed and Implemented a local electronic payment app, using the camera and bluetooth in an android smartphone.

Smile Designer (2014)

- Windows application to help dentists make better decisions in giving the patient a "beautiful" smile, factoring in local beauty standards.

ACHIEVEMENTS

ACM ICPC World Finalist (2015-2016)

Participated in the International Collegiate Programming contest two years in a row. Namely the 2015 ICPC WF in Morocco, and the 2016 ICPC WF in Thailand.

ACM ICPC Coach, Problem setter, Judge and Volunteer

Took many roles in local and regional ACM ICPC contests, and conducted many training camps for other local universities.

LANGUAGES

Arabic



English



German



INTERESTS

Cutting Edge Technologies

AI

Space

Data Science

Mathematics

Physics

Cycling

Volleyball

Swimming

Programming Competitions