

Profile: Computer scientist, R&D Innovation Engineer



Professional Experience

Present

R&D Innovation Engineer

Geneva, CH

known as Serial Learner & Cosmo-Techy
at **IdeaSquare CERN**

- Founded and successfully launched the **Quantum Future Initiative**. Through various outreach efforts and networking
- Analyse, Design and conceptualization of a framework for open innovation framework for future emerging technologies that combines 3 technologies IPFS, ML/AI & Smart contracts
- Mentorship for teams during the process of Ideation and prototyping

BPMN, jQuery, JavaScript, Python, Emacs

2017-2018

Software developer Engineer

Geneva, CH

at **SDGinProgress, CH**
for Geneva Tsinghua Initiative

- Forked from GitHub and competently adapted a collaborative platform to the Sustainable Development Goals called sdginprogress.com
- Maintenance & implementing new features for sdginprogress.com

jQuery, JS, Ruby on rails, PostgreSQL, Python, Emacs

2016-2017

Software Developer Engineer

Geneva, CH

at **ERT, Clinical Trial Technology Solutions, USA**
for a global data and technology company

- Testing, analysis, reporting & fixing bugs for the Macro Excel tool
- Developed and successfully built the backend & the user interfaces
- Defining requirements specification, design & modeling for the web app

VBA, SQL, Batch, UML, ATOM IDE

2016-2017

IT assistant Engineer

Geneva, CH

at **University of Geneva, CH**
for the computer science department

- Maintenance of the IT laboratory.
- Give coding classes for the student and help them with their coding labs

Matlab, Python, C++, ATOM IDE, Networking & Comm. System

2016

IT Technician

Geneva, CH

at **Abissa & the World Economic Forum, CH**

- Developed and well did the backup, data migration for the new system (iOS devices) through development of python scripts
- Setup-up new devices (iOS) through development of python scripts

Python, SQL, iOS, MS-Office, ATOM IDE



Professional Qualities



Oday Darwich

Computer Scientist

27 YO, Lebanese, Permit B

Cologne/Geneva,

[in](https://www.linkedin.com/in/oday) [Linkedin.com/in/oday](https://www.linkedin.com/in/oday)

[zeeroday@GitHub](https://github.com/zeeroday)



Objective

I am fresh Master graduate in Computer Science with practical experience. I am seeking a job with a spirited team in an innovative environment and entrepreneurial mindset.



Brief

- For over 2 years, I had the pleasure of working in an innovation environment.
- Most of my work is at the overlap of innovation/deep tech
- I believe that we are essentially social creatures and we achieve our greatest aspirations when we work together-not as individuals
- I am a hackathon freak – 20 hacks



Extra-curricular

- Founder of the Quantum Future Association
- Organizer of CERN Mobili-T-Hack, 2019
- Co-founder of Brix3D, 2016
- Organizer of Physics Meets Blockchain Workshop 2 at CERN, 2018
- 14 weeks CTI Entrepreneurship training, business concept, 2016



Internship

Feb-Aug'13

Assistant Technical Manager

at **VINCI-Energies**, FR

- Conceptualized and well-designed an Enterprise Content Management web app (to replace Lotus)
- Testing, reporting, documentation and creating content tutorials

Research, Analysis, UML, Excel, VB.net, Jira, LaTeX

Paris, FR

Jul.-Spet'12

Assistant Engineer

at **Oger International**, KSA

- Sensor installation for an alarm system | | VHDL development for the sensor | | Testing and validation

VHDL, LabView, JIRA

Saudi Arabia

Jun.-Aug'11

Back-End Developer

at **HaririMed**, Lebanon

- Developed 3 user control for hospital centers
- Cleaning for the database of 30k patient database

Microsoft SQL Server, VB.net, JavaScript, ASP.net

Beirut, Lebanon



Speaking engagements

2019

The Quantum Future, Innovation and Community

The International Telecommunication Union workshop on Quantum Information Technology for Networks

Shanghai, China

2019

CERN Quantum Initiative & Vision for Blockchain for Open Innovation

Aarhus University, Department of Physics and Astronomy

Aarhus, Denmark

2018

Future Emerging Technologies

The International Workshop on Quantum Computers & Blockchain

Kyoto, Japan

2018

Blockchain Introduction and Security Challenges

The Swiss Cyber Security meetup

Geneva, CH



Education

2019

Summer School on quantum foundations

at **ETH**, Zurich

Zurich, CH

2018

M.Sc. Computer Science (Optional courses at EPFL)

at **University of Geneva**

Geneva, CH

2014

M.Sc. Industrial Information Technology (2 semester)

at **ULCO**, Lille

Lille, France

2013

M.Sc. Electrical Engineering (2 semester)

at **ULCO**, Lille

Lille, France

2012

B.Sc. Communication Network Engineering

at **Lebanese University, Lebanon**

Beirut, Lebanon



Personal Character



Oday Darwich

Computer Scientist



Technical Skills

Matlab, Python, SQL, Git

HTML, CSS, jQuery, JS

yED - Graph Editor (diagramming program)

Documentation, JIRA, Wiki, MS Office

Debian, Windows, Mac

Knowledge about Scrum, Agile and DevOps



Community Activities

- Active at the Geneva Debate Club since 2015
- Active in the local cyber-security meetup, blockchain and innovation communities
- Active in CERN Entrepreneurship Meetups



MOOC Courses related to Quantum

- MIT Quantum Information Science I, II
- Quantum Error Correction for Beginners arXiv0905.2794
- Reading: Quantum Computations and Quantum Information (M. Nielsen, I. Chuang) and Quantum Machine Learning: What Quantum Computing Means to Data Mining (P. Wittek)



Languages

Arabic, French: Bilingual

English: Full professional proficiency