



## PROFILE

21 year old Physicist, Coder, Web Developer and Designer from Lebanon studying at Oxford University



## AWARDS & HONORS

- College scholarship in Physics For Distinction (2013)
- Vodafone 24 Winning team  
Designed carbon emission tracking app in 24 hours (2014)



## INDEPENDENT PROJECTS (2009 - 2014)

- Designed & hand-built 2 seat petrol car from scratch
- Designed, built & programmed an Arduino phone
- Tesla coil
- Van de Graaf generator
- Infrared & night-vision camera



[github.com/reaalkhalil](https://github.com/reaalkhalil)



## LANGUAGES

English   
Arabic   
French



## EDUCATION



### OXFORD UNIVERSITY

Master of Physics | Oct 13 - Jun 17

College scholarship in Physics recipient for outstanding academic achievement



## WORK EXPERIENCE



### SOFTWARE ENGINEERING INTERN

Tessella | Jun 16 - Sep 16

Projects: JS visualisation to query, filter, display and download linked open data. Java text editor to enhance development process, architecture and testing skills. Proof of concept project for line managers to visualise and assess employee working hours. Data analysis with Python. Automation of testing clinical trial simulation software using AWS and Python.



### CORPORATE SUSTAINABILITY INTERN

Vodafone HQ | Jul 15 - Aug 15

Liaised with 3 outsourced agencies, redesigned and updated content and UI for 2 microsites, reported analytics & data for one microsite, analysed CS practices and made recommendations to different departments



### PLASMA & FLUID DYNAMICS LAB INTERN

American University of Beirut | Jul 14

Coding MATLAB programs to identify cancer cells and track and quantify the motion and change in shape of different cells by processing microscopic photos



## LEADERSHIP EXPERIENCE & ACTIVITIES



### TREASURER & COFOUNDER, PAST: PRESIDENT

IN[SCI]TE Society [inscite.co](https://inscite.co) Aug 15 - Present

IN[SCI]TE is an annual 2 day multidiscipline conference emphasising student speakers: Established society, recruited team of 20, designed branding and website for the conference incl. payment system, secured £2k of sponsorship



### WEB DESIGN & DEVELOPMENT

Supp! [Supp.co.uk](https://supp.co.uk) Jun 16 - Present

Remaking website frontend, currently in progress

Oxford Law Society [oxfordlawsoc.com](https://oxfordlawsoc.com) Aug 15 - Sep 15

Oxford Engineering Society [ouengsoc.com](https://ouengsoc.com) Dec 15 - Jan 16

Complete website, frontend & backend, set up custom made membership DB management and payment systems

St. Hilda's College Ball & CapitOx Conference Sep 14 - May 15



### TEAM LEADER

Oxford 3Day Startup | Feb 16

Led team of 7 to develop a location based social media startup idea. Performed market validation, drafted wireframes and app mockup and demo. Multiple pitches incl. investors pitch and private investor meeting. Created web app MVP.



## SKILLS

### PROFICIENT IN:

HTML & CSS  
JS & libs  
PHP & SQL  
Illustrator, UI & design

### FAMILIAR WITH:

Java Artificial Neural Nets  
Python Flash  
MATLAB  
C++