



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



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

Liased 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 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 Aug 15 - Sep 15

Oxford Engineering Society 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++