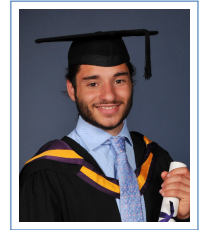# David Adler

Curriculum Vitae

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🌐 *github.com/mfbx9da4*

Education

2009–2013 **2:1 (69%) BSc Honours Neuroscience** , *University of Manchester* , UK.

- Averaged 1st in core neuroscience modules.
- Demonstrated drive and creativity by designing my own final year project *de novo*.
- Project (awarded 1st): Disproved validity of a pioneering artificial intelligence algorithm. Created my own computational model of learning networks of the brain. Gained experience in computational modelling and machine learning.

2007–2009 **A levels**, *Ibstock Place School*, London, UK.

Physics (B), Maths (B), Biology (B). AS level: French (B).

2005–2007 **GCSEs**, *Ibstock Place School*, London, UK.

1A*, 5As, 4Bs + Triple Science.

Languages English (native), French (proficient), Spanish (intermediate) and Portuguese (intermediate).

Academic Honours
- Featured in the University of Manchester Undergraduate Prospectus.
- Silver Award in UK National Mathematics Challenge.
- Advanced one year for academic attainment in primary school.

Experience

Autumn 2013 **Web developer**, *SuperAwesome, London, UK.*

- Developed backend using django. Used heroku and amazon for hosting and deployment. Became familiar with git branching, merging and collaboration.
- Developed multiple mini-games using HTML5 canvas and javascript.
- Innovated and developed front-end automator web app which optimized front-end build time from 5 hours to 1 minute.
- Made multiple presentations on the above front-end automator to colleagues.

Summer 2013 **Marketing analyst**, *SportPursuit, London, UK.*

- Innovated and developed a script which optimized marketing campaign launch time from 1 hour to 10 minutes.
- Performed data analysis of facebook and google advertisements.

2011–2012 **Research Intern**, *Laboratory of Functional Neuroanatomy, IkerBasque, Spain.*

- Developed methodical approach and attention to detail by conducting unsupervised scientific experiments.
- Developed presentation skills in regular boardroom meetings.
- Project: Investigated changes in cell morphology of astrocytes in the triple transgenic mouse model of Alzheimer's disease. Developed skills in data analysis, fluorescence microscopy and immunohistochemistry.

Summer 2011 **Estate Agent**, *Imperial Homes, Kensington, London, UK.*

- Property negotiator in high-profile sales and lettings. Thrived in high-pressure negotiation situations and enjoyed problem solving in precarious deals.
- Demonstrated competency in customer relations when conducting viewings and conversing with high net worth clients.
- Gained experience in corporate etiquette when conducting phone and email conversations in a professional manner.

Summer 2010 **Private beach waiter**, *Plage Rive Gauche, Juan Les Pins, France.*

- Enjoyed interacting with customers which was reflected by generating the largest amount of tips of all the waiters.
- Working 84 hours per week strengthened my work ethic and resilience.

Leadership roles

2012–2013 **Founder and chair**, of *University of Manchester Slackline Society.*

Developed management skills by organizing events and managing studies in parallel.

2012–2013 **Committee member**, of *University of Manchester Ultimate Programming Society.*

Gave a talk on google apps script and google app engine to a room of 50 persons.

Interests

Computer programming

- I **love** to code! This is my favourite hobby. I am self-taught and I have an ever growing list of software ideas. Coding provides an outlet for my creativity.
- I enjoy the mathematical and problem solving facets of programming and solve mathematical/programming problems in my spare time, such as those found at ProjectEuler.net.
- Skills/languages: **C** (First language. Built a terminal based meal organizer, a recursive sudoku solver and experimented with GTK.); **JavaScript** (Comfortable, experience with OOP. Built multiple HTML5 games and a scientific referencing system for google documents. A fan of jquery, jqueryUI and coffeescript. Experimented with nodejs, emberjs and backbonejs.); **Web design** (Comfortable with CSS3, animations, gimp and enjoy developing front end for functional purposes. A fan of SASS.); **Web dev** (Most comfortable area of computer science. Mostly using python, django and google app engine. Like front-end and backend equally.); **Python** (Most comfortable and favourite language. Built miscellaneous applications, such as mp3 syncing scripts and an alarm, as well as more serious programs such as my final year neural network project where I became familiar with git, OOP and unit testing.); **Go** (Keen to learn more, experimented with a chat server.) **Java** (No grand projects yet but very keen to develop android apps).

Slacklining	○ A high altitude modern form of tight rope walking which has developed my ability to be able to maintain composure under highly stressful situations.
	○ At ground level, I use the slackline as a thin trampoline and have since been sponsored and competed at national level (currently 4th in the UK).
Cycling	I enjoy the challenge of bicycle touring and have travelled thousands of miles through Europe by bicycle. I have also volunteered at a bicycle recycling project in Manchester.

References

Autumn 2013	**Joshua Wohle** - Cheif Production Officer and manager at SuperAwesome. joshua@superawesome.tv
2011-2012	**Doctor Markel Olabarria** - Supervisor for one year during laboratory placement. markelolaba@gmail.com
2009-2013	**Professor Richard Baines** - Personal advisor over four year period during university. richard.baines@manchester.ac.uk